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OFFICIAL CATALOGUE *OF* EXHIBITORS

PANAMA-PACIFIC INTERNATIONAL EXPOSITION

San Francisco, California, 1915

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President

FREDERICK J. V. SKIFF

Director-in-Chief

DIVISION OF EXHIBITS

Asher Carter Baker, Director

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- F —Machinery
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- I —Live Stock
- K —Horticulture
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Official Catalogue of Exhibitors

Panama-Pacific International Exposition
San Francisco, California, 1915

CHARLES C. MOORE
President

Director-in-Chief
FREDERICK J. V. SKIFF

Division of Exhibits
ASHER CARTER BAKER, Director

Department **B**

EDUCATION AND SOCIAL ECONOMY

ALVIN E. POPE, Chief

Published for the Division of Exhibits by
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(REVISED)

OF THE

Department of Fine Arts

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San Francisco, California

1915

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- 516. How Can You Eat Me?
- 517. Princess Troubetzkoy.
- 518. Mrs. Castle.
- 519. Baroness Robert Rothschild.
- 519A. Elephant.
- 519B. Bust of Segantini.

Vonnoh, Bessie Potter.

- 520. The Dance.
- 521. Good Night.
- 522. Youth.
- 523. Water Lilies.
- 524. A Young Mother.
- 525. Enthroned.
- 526. His First Journey.
- 527. Motherhood.
- 528. A Chance Acquaintance.
- 529. Girl Dancing.
- 530. The Scarf.
- 531. Grecian Draperies.
- 532. Butterflies.
- 533. Maidenhood.
- 534. The Intruder.

Walter, Edgar.

- 534A. Nymph and Bears.

Ward, John Quincy Adams.

- 535. Shakespeare.
- 536. Henry Ward Beecher.
- 537. General Washington.
- 538. Simon Kenton.
- 539. Norseman.
- 540. Pilgrim: A Sketch.
- 541. Freedman.
- 542. Indian Hunter.
- 543. General Hancock.

Warner, Olin L.

- 544. Maude Morgan.
Lent by C. E. S. Wood, Esq.
- 545. Maude Morgan.
Lent by C. E. S. Wood, Esq.
- 546. C. E. S. Wood.
Lent by C. E. S. Wood, Esq.
- 547. Mr. Cottier.
Lent by C. E. S. Wood, Esq.
- 548. J. Alden Weir.
Lent by C. E. S. Wood, Esq.

- Warner, Olin L. (Continued).
 549. Cupid and Psyche.
 Lent by C. E. S. Wood, Esq.
 550. The Wood Children.
 Lent by C. E. S. Wood, Esq.
 552. Rosalie.
 Lent by C. E. S. Wood, Esq.
 555. Dancing Nymph.
 Lent by C. E. S. Wood, Esq.
 556. The Spinner.
 Lent by C. E. S. Wood, Esq.
 564. Chief Joseph: Chief of the Nez Perce Indians: Medallion.
 Lent by C. E. S. Wood, Esq.
- Weinman, Adolph Alexander.
 565. Study for Lincoln at Hodgenville.
 567. Chief Blackbird.
 568. Heroic Courage.
 569. Portrait of W. R. M., Esq.
 570. Head of Lincoln.
 571. Descending Night.
 572. Lectern for Clark Memorial Chapel.
- Whealock, Lila Audubon.
 578. Ski: Russian Wolf Hound.
- Whitney, Gertrude Vanderbilt.
 579. Fountain.
- Worthington, Beatrice Maude.
 580. Grief.
- Wright, Alice Morgan.
 581. Beside the Pool.
 582. Wood Nymph.
 583. Piping Satyrs.
- Young, Mahenri M.
 584. Tired Out.
 585. The Heavy Sledge.
 586. Stevedore.
 587. The Piper at the Gates of Dawn.
 588. Day Dreams.
 589. Scrub Woman.
 590. Peter Newell at Leonia.
 591. Shoveler.
 592. Chiseler.
- Zettler, Emil Robert.
 593. Professor T. S.
 594. David P.

MEDALS

- Aitken, Robert.
 601. Model: Commemorative Medal: Panama Pacific International Exposition: Obverse.
 602. Model: Commemorative Medal: Panama Pacific International Exposition: Reverse.
- Bateman, John M.
 603. Model: Official Entrance Badge: Panama Pacific International Exposition.
- Brenner, Victor D.
 604. Samuel Talmage.
 605. Washington Irving.
 606. William Welch.
 607. Whistler.
 608. Carl Schurz.
 609. Motherhood.
 610. Hygiene.
 611. Lincoln Medal.
 612. Lincoln Plaque.
- Brooks, Richard E.
 613. Cameron and Grace.
 614. Medallion Portrait No. 1.
 615. Margaret, Cyrus, and Raymond.
 616. Medallion Portrait.
 617. Mary S. Lyman.
 618. Susan J. Henry.
 619. Wm. Brown Cogswell.
 620. Henry.
 621. Medallion Portrait No. 2.
- Burnham, Roger Noble.
 622. Betty.
 623. Johann Ernest Perabo.
 624. University of California Medal.
 625. Eleanor Waring Burnham.
- Bush-Brown, H. K.
 626. Newburgh Medal.
- Corbett, Gail Sherman.
 627. Walden.
 628. Frederick Slicher.
 629. Frederick Coe Sherman.
 630. Emma J. O. Sherman.
 631. Jean.
- Dallin, Cyrus E.
 632. Indian Archer.
- Flanagan, John.
 633. Wilson Nesbit Benson.
 634. Tolstoy.
 635. Hortense Leonore Mitchell.
 636. Hudson-Fulton Medal: Obverse.
 637. Hudson-Fulton Medal: Reverse.
 638. Medal: The Academy of Natural Sciences of Philadelphia: Obverse.
 639. Medal: The Academy of Natural Sciences of Philadelphia: Reverse.
 640. Medallion Portrait No. 1.
 641. Medallion.
 642. Andre Saglio.
 643. Portrait Plaque No. 1.
 644. Medallion Portrait No. 2.
 645. Medal: The Numismatic and Antiquarian Society of Philadelphia.
 646. Daniel Garrison Brinton.
 647. Frederick James Gregg.
 648. Agnes Lane, Phoebe Apperson Hearst and Anne Drucilla Apperson.
 649. Medal: Massachusetts Horticultural Society: Obverse.
 650. Medal: Massachusetts Horticultural Society: Reverse.
 651. Maud Doering.
 652. Phoebe Apperson Hearst.
 653. Medal: The Pennsylvania Society: Obverse.
 654. Medal: The Pennsylvania Society: Reverse.
 655. Portrait Medallion No. 3.
 656. Portrait Plaque No. 2.
 657. Portrait Medallion No. 4.
 658. Portrait Medallion No. 5.
 659. Medal: Essex Agricultural Society of Massachusetts: Obverse.
 660. Medal: Essex Agricultural Society of Massachusetts: Reverse.
 661. Walt Whitman.
 662. The Deliver.
 663. Barr Ferree.
 664. Edward Guthrie Kennedy: Obverse.
 665. Edward Guthrie Kennedy: Reverse.
 666. Ethel.
 667. Captain Henry Rostron: Obverse.
 668. Captain Henry Rostron: Reverse.
 669. Portrait Medallion No. 6.

- Fraser, James Earle.**
 670. Horatio Hathaway Brewster.
 671. Plaque.
 672. Portrait Plaque No. 1.
 673. Plaque: Flora and Sonny-Boy Whitney.
 674. Medal No. 1.
 675. Medal No. 2.
 676. Plaque.
 677. Medal No. 3.
 678. Pan-American Exposition Special Medal of Honor: Obverse.
 679. Pan-American Exposition Special Medal of Honor: Reverse.
 680. David Barnard Ericson.
 681. Portrait Plaque No. 2.
 682. Portrait Plaque No. 3.
 683. Medallion No. 1.
 684. Medallion No. 2.

- Gelert, Johannes.**
 685. Denmark Medal: Obverse.
 686. Denmark Medal: Reverse.

- Grimes, Frances.**
 687. Mrs. Joseph Parsons.
 688. George Goodyear, Esq.
 689. Mrs. George Parsons.
 690. Arthur Whiting.
 691. Joseph Parsons.

- Hering, Henry.**
 692. Model for Scarsdale Golf and Country Club Medal: Obverse.
 693. Model for Scarsdale Golf and Country Club Medal: Reverse.
 694. Charles Albert Coffin.
 695. Everts Tracy.
 696. Stephen Henry Olin: Obverse.
 697. Huntington Wolcott Jackson.
 698. Stephen Henry Olin: Reverse.
 699. Medal: American Institute of Architects: Obverse.
 700. Medal: American Institute of Architects: Reverse.
 701. Medal: Panama Pacific International Exposition.
 702. Alice Olin Dows and Stephen Olin Dows.
 703. Scarsdale Golf and Country Club Medal: Obverse.
 704. Scarsdale Golf and Country Club Medal: Reverse.

- Hill, Clara.**
 705. Frederick Bruce Kelham.

- Kimball, Isabel Moore.**
 706. Portrait Medallion.
 707. Portrait Placquette.

- MacIntosh, William W.**
 708. Portrait of Mrs. L. O. M.

- MacNeil, Hermon A.**
 709. Pan-American Medal of Award: Obverse.
 710. Pan-American Medal of Award: Reverse.
 711. Medal of Honor Architectural League of New York: Reverse.
 712. Medal of Honor Architectural League of New York: Obverse.

- Mears, Helen Farnsworth.**
 713. Portrait of My Mother.

- Miller, J. Maxwell.**
 714. William Sidney Thayer.
 715. Jubilee Medal: James, Cardinal Gibbons.
 716. Portrait Heads.

- Mott-Smith, May.**
 717. Diana.

- Pietz, Adam.**
 718. Helen.
 719. Maurits Lee/son.
 720. Stephen Girard.

- Ryden, Henning.**
 721. Medal: American Institute of Chemical Engineers.
 722. Medal: Inauguration, 1913.
 723. The Horticultural Society of Chicago.
 724. The Dorner Memorial Medal.
 725. Medal: The American Carnation Society.
 726. Charles Dickens.

- Saint Gaudens, Annetta Johnson.**
 727. Medallion: Baby.
 728. Medallion: L. St. G.

- Saint Gaudens, Louis.**
 729. Medallion Portrait.
 730. Franklin Medal.

- Sawyer, Edward W.**
 731. Naiche: Apache.
 732. Ba-Haw: Arapahoe.
 733. Han-Ni-Ait.
 734. Ne Ale Ta Ha Wa.
 735. Esh Sha a Nish Is.
 736. Ho Tsa Hwe Ko Mas.
 737. Ma Ki Na Ko.
 738. Che Ho Ni.
 739. Noco To Mah.
 740. Ma Si Ni.
 741. Tah Do Ni Pper.
 742. Timbo.
 743. Be Sha E Chi E Di Esha.
 744. Curley: Custer Scout.
 745. Esh Spa Di E Ash.
 746. Be Me Tha.
 747. On Ah Shin Nin Nah.
 748. Tja Yo Ni.
 749. Est Jan Lopa.
 750. Noh To I.
 751. Sota.
 752. Hunpe Ka.
 753. Sunka Hanska.
 754. Kah Wah Se.
 755. See Hah.
 756. Sah Cooh Ru Tu Ree Hoo.
 757. Stah Pe U.
 758. Pee Ru Tha.
 759. To Wak Ohi Jim.
 760. Ne I So Meh.

- Schweizer, J. Otto.**
 761. Portrait of the Artist's Mother.
 762. Fred Silcher.
 763. Portrait S. Wier Mitchell.
 764. Portrait of George Linden.
 765. Alexander the Great.

- Scudder, Janet.**
 766. Fahnestock Medallion.

- Snedden, Eleanor Antoinette.**
 767. Portrait of a Boy.
 768. Portrait of a Woman.

- Spicer-Simson, T.**
 769. John B. White.
 770. Captain Rostrom.
 771. Alexander Agassiz.
 772. George Meredith.
 773. Admiral Sir Wilmot Hawksworth.
 774. Public Welfare.
 775. Mrs. C. Dewey Hilles.
 776. Miss Hilda Schmidt.
 777. Mrs. Edward Newell.
 778. George F. Watts.
 779. Mrs. Daniel Fairchild.
 780. H. M. S. Good Hope: Reverse Admiral Hawksworth.
 781. Mrs. F. S. James.
 782. Mrs. E. Mudocce and B. Edwards.

- Beard, William H.**
1108. Having Taken Possession.
Lent by Fred E. Sander, Esq.
- Beatty, John W.**
1109. Plymouth Hills.
Lent by the National Gallery.
1110. Plymouth Sand Dunes.
- Beaumont, Lillian Adele.**
1111. The Satin Gown.
- Beaux, Cecilia.**
1112. New England Woman.
Lent by The Pennsylvania Academy of the Fine Arts.
1113. The Dreamer.
1114. Sita and Sarita.
1115. Dorothea and Francesca.
1116. Portrait Study.
1117. Portrait.
1119. Ernesta.
- Becker, Benno.**
1120. At Lake Como.
- Becker, Enlabe Dix.**
1121. Portrait of Esther Hoyt.
1122. Philip Dix Becker.
1123. Mrs. John Graves.
- Becker, Maurice.**
1124. The Older Generation.
1125. The Boy and the Man.
- Beckington, Alice.**
1126. Portrait of Mr. Lewis.
1127. Helen.
1128. The Morning Paper.
1129. Study of a Head in Shadow.
1130. Study in Blues and Greens.
- Beckwith, J. Carroll.**
1131. Portrait of George Coleman, Esq.
- Beechey, Sir William.**
1132. Mr. Monroe Ferguson.
Lent by Hackley Art Gallery.
1133. Group of a Nobleman's Family with a Dog.
- Beek, Alice D. Engley.**
1134. Portrait Study.
- Belcher, Hilda.**
1135. The Little Boston Girl.
1136. Day-dreamer.
- Bell, Clara Louise.**
1137. Elizabeth.
1138. Little Girl with the Curls.
- Bellows, George.**
1138A. Excavation at Night.
1138B. Portrait of a Young Lady.
1138C. Polo Crowd.
1138D. River Front.
- Benda, W. T.**
1139. Lalla.
1140. Amazonas.
1141. Amazonas: II.
- Berlin, Harry.**
1142. Motherhood.
1143. Vermont Hills.
- Berneker, Louis F.**
1144. Coral and Blue
- Berninghaus, Oscar B.**
1145. A Southwestern Pueblo.
- Bernstein, Theresa F.**
1146. Open Air Show.
- Best, Hans.**
1147. Grandmother and Grandchild.
- Betta, Anna Whelan.**
1148. At the Window.
1149. The Promenade.
1150. The Candle.
1151. Coral Beads.
1152. Preparations for Bed.
1153. The Dancing Class.
1154. The Trundle Bed.
1155. A Winter Day.
- Betta, Louis.**
1156. Lady in White.
- Bierstadt, Albert.**
1157. Grand Lake: Colorado.
Lent by Miss Marlon T. Meagher.
1158. Mount Hood.
- Bissell, Helen Rathbun.**
1159. A German Interior.
1160. Old Melodies.
- Bittinger, Charles.**
1161. The Library of the Prince: Versailles.
1162. After Supper.
1163. Isabel.
1164. Vanity.
- Bixbee, William.**
1165. Winter.
- Blackburn, Jonethau B.**
1166. Portrait of Mrs. Elizabeth Carter Willis.
Lent by Mrs. R. H. Patchin.
1167. Portrait of Mrs. Kennon.
Lent by Mrs. R. H. Patchin.
- Blakelock, Ralph A.**
1168. Sunset.
Lent by Henry Smith, Esq.
1169. Ecstasy.
Lent by Hackley Art Gallery.
- Blaney, Dwight.**
1170. Anemone Cove: Mt. Desert.
1171. Solitude.
- Bliss, Alma Herzig.**
1172. An Italian Child.
1173. Study.
- Blumenschein, Ernest L.**
1174. Wise-Man: Warrior: Youth.
1175. Love of Life No. I.
1176. Love of Life No. II.
1177. The Peacemaker.
- Blumenschein, Mary Greene.**
1178. The Fan.
1179. A Girl.
1180. Valentine.
- Bodine, Helen.**
1181. Inseparable.
1182. Portrait.
- Bebrowsky, Grigori.**
1183. Portrait of a Woman.
- Bohm, Max.**
1184. Portrait, Mme. B.
1185. The Promenade.
1186. The Sea Bables.
- Bonheur, Rosa.**
1187. Goats at Rest
- Bonnington, Richard P.**
1188. Village Scene in Italy.
- Bonsall, Mary W.**
1189. Study of Old Man.
- Boone, Cora.**
1190. A Pot of Flowers.
1191. Tulips.
1192. Cinerarias.

- Borg, Carl Oscar.**
1183. Chateau Gaillard.
Lent by Mrs. Phoebe A. Hearst.
1194. Campagna Romana.
1195. Landscape.
- Berie, Adolphe.**
1196. Nude.
1197. Lady with Black Scarf.
1198. A Woman Pensive.
1199. Spring.
- Beasley, Frederick A.**
1200. The Dreamer.
1201. Girl in Pink Dress.
1202. Interior.
1203. Girl Against Chinese Screen.
- Boston, Joseph H.**
1204. Mount Hamlin.
- Both, Jan.**
1205. Landscape.
- Boudin, Eugene.**
1206. Sunset at Havre.
Lent by C. E. S. Wood, Esq.
1206A. Au bord de la mer.
Lent by Albert Rosenthal, Esq.
1206B. A Trouville.
Lent by Albert Rosenthal, Esq.
1206C. A Trouville No. 2.
Lent by Albert Rosenthal, Esq.
- Boughton, George H.**
1207. The Fallen Angel.
Lent by F. C. Havens, Esq.
- Bourne, Gertrude B.**
1208. Rear View of Boston State House.
1209. Rhododendrons.
- Bowdoin, Harriette.**
1210. A Venetian Highway.
1211. A Bit of Sunshine.
- Bower, Alexander.**
1212. The White Shore.
- Boyle, Sarah Yocum McFadden.**
1213. Maid Marion.
1214. Peggie.
1215. Portrait of Dr. William H. McFadden.
- Boynton, Ray S.**
1216. Aphrodite.
1217. Spokane Valley.
1218. Young Diana.
1219. Vanity.
1220. Venus.
1221. Eve.
1222. A Boy.
- Bradford, William.**
1223. Caught in the Ice Floes.
- Bradley, Susan H.**
1224. Grand Canyon.
- Brascassat, Jacques Raymond.**
1225. Noonday Rest in France.
- Braun, Maurice.**
1226. Sunlit Hills: Southern California.
1227. The Hillside Morning.
1228. Hills and Valley: Southern California.
- Breckenridge, Hugh H.**
1229. Bowl of Fruit.
1230. Italian Pitcher and Fruit.
1231. Studio Interior: The Tapestryed Wall.
1232. The Studio Window.
1233. Corner of the Garden.
1234. The Open Garden.
1235. Tapestry and Fruit.
1236. Still Life: Blue and Gold.
1237. Studio Interior: Chinese Jar.
1238. White Vase.
- Bredin, R. Sloan.**
1239. The Farm.
- Bremer, Anne M.**
1240. Isabella.
1241. Gladiolas.
1242. The Fur Collar.
1243. The Village of Good Cheer.
1244. Marigold and Primrose.
- Bretton, Jules.**
1245. The Vintage.
- Breuer, H. J.**
1246. Lake Louise.
1247. The Santa Inez Mountains.
1248. Mount Sir Donald.
1249. Mount Assinaboine.
- Breyfogle, John Winstanley.**
1250. The Serpent.
Lent by William H. Fox, Esq.
- Bringham, R.**
1251. Journalism.
- Brinley, D. Putnam.**
1252. Matins.
1253. Noon.
- Brooke, Richard Morris.**
1254. A Stony Outpost.
- Brouwer, Adriaen.**
1255. Head of Old Man.
- Brown, Benjamin Chambers.**
1256. Cliffs: Golden Gate.
1257. Over the Roofs: Antwerp.
- Brown, Charlotte Harding.**
1258. On the Hillside.
1259. The Squab Syndicate.
1260. Hump Yourself.
- Brown, George Loring.**
1261. Castello U'oba.
Lent by Albert Rosenthal, Esq.
- Brown, John G.**
1262. The Detective Story.
- Browne, Charles Francis.**
1263. La Vacherie: France.
- Browne, George Elmer.**
1264. Port of Sottomarina.
- Brownell, Matilda.**
1265. Girl in the Chinese Porcelain Room.
1266. Girl with Columbine.
- Brumback, Louise Upton.**
1267. High Tide on the Beach.
1268. The Harbor: Gloucester.
- Bruns, Heinrich.**
1269. Picnic in the Woods.
- Brush, George de Forest.**
1270. Portrait of a Lady.
Lent by the Carnegie Institute.
1271. Andromeda.
1272. The Potter.
- Bryant, Everett L.**
1273. Peonies.
1274. Snapdragon.
1275. Wild Honeysuckle.
1276. Snapdragon and Fan.
- Bryant, Maudie Dreda.**
1277. Still Life: Crimson Ramblers.
1278. Still Life: Larkspur.
1279. Still Life: Asters.
- Butworth, Will S.**
1280. Early Spring: Wakefield Wood.
1281. Afternoon Shadows: Chestnut

- Buehler, Lytton Briggs.**
1282. The City of Pleasure.
- Buehr, Karl Albert.**
1283. Luncheon Outdoors.
1284. A Pledge of Love.
- Bull, Charles Livingston.**
1285. Beauty and the Beast.
1286. The Sea Horse of Grande Terre.
- Bunker, Dennis Miller.**
1287. Portrait of Miss Anne Page.
Lent by Miss Anne Page.
1288. The Mirror.
Lent by the Art Club of Philadelphia.
- Burleigh, Sydney Richmond.**
1289. At the Wharf.
- Burmester, Ernst.**
1290. Railroad Bridge.
- Burnham, Anita Willets.**
1291. Day Dreaming.
1292. Napping.
1293. Twenty-first Chapter of Job.
- Burnside, C.**
1294. The Yellow Curtain.
- Bush, Ella Shepard.**
1295. A Fairy Tale Princess.
1296. A Kappa of Washington.
1297. Balaustion.
- Bush-Brown, Margaret Lesley.**
1298. Portrait of Moncure D. Conway.
1299. The Flute Lesson.
- Bushnell, Adelyn.**
1300. Portrait of an Old Man.
- Butler, Edward B.**
1301. The Brook.
- Butler, Howard Russell.**
1302. Spirits of the Twilight.
- Butler, J. J. P.**
1303. Autumn Landscape.
- Butler, Mary.**
1304. Trees at Shubel's Mount: Nova Scotia.
- Butler, Theodore Earl.**
1305. Sunrise.
1306. Afternoon.
1307. Peonies.
- Button, Albert Prentice.**
1308. Girl of the Desert.
1309. In the Meadow.
1310. Girl in Gray.
1311. Ultima Thule.
1312. An October Day.
- Byne, Arthur.**
1313. Patio in an Old Posada in Alcala.
1314. An Old Palace in Avila.
1315. Tarragona Cathedral Seen from the Cloister.
1316. A Fountain in Lugo.
1317. A Toledan Tenement.
1318. Vigo from the Bay.
1319. Cathedral Silhouette: Zaragoza.
1320. The Bishop's Well: Palencia.
- Cadenasso, Guiseppe.**
1821. Summer.
1822. The Reflection.
- Cahill, Arthur.**
1823. Illustration for Western Story.
- Cahill, William V.**
1824. The Red Book.
- Caliga, I. H.**
1325. Autumn.
- Callahan, Caroline B.**
1326. Luncheon.
- Camp, Harold M.**
1327. Turn in the River.
1328. Snow Clouds.
1329. A Hill Top.
- Carew, Berta.**
1330. The Late Archbishop Corrigan.
- Carles, Arthur B.**
1331. Nude.
1332. Torso.
1333. Repose.
- Carlsen, Emil.**
1334. The Open Sea.
- Carlson, John Fabian.**
1335. Cloud Legions.
1336. Silvered Acres.
1337. Spring Morning.
1338. Along the Stream.
1339. Grey Woods.
1340. Frost Bound.
- Carpenter, Frank D.**
1341. Portrait of Abraham Lincoln.
Lent by the Union League Club, New York City.
- Carpenter, Fred G.**
1342. The Gay Set.
- Carreno, de Miranda.**
1343. Portrait of a Lady.
Lent by Dan Fellows Platt, Esq.
- Carriere, Eugene.**
1344. Lady With Dog.
Lent by Martin A. Ryerson, Esq.
- Carrigan, William L.**
1345. Midsummer Masque.
- Case, B.**
1346. View: Sidi Ben Said: Tunis.
- Caser, Ettore.**
1347. Musical Moment.
1348. Old Venice.
1349. The Fire.
- Cassatt, Mary.**
1350. Woman and Child: Rose Scarf.
1351. Woman Reading in a Garden.
1352. Woman with a Fan.
- Casterton, Eda Nomoede.**
1353. Miss Pauline Batchelder.
- Cauldwell, L.**
1354. Portrait of Colonel W.
- Cazin, Jean Charles.**
1355. The Repentance of Simon Peter.
Lent by Rev. Frank W. Gunsaulus.
1356. The Retreat.
- Champaigne, Philippe de.**
1357. Richelieu.
Lent by Albert Rosenthal, Esq.
- Chandler, H. C.**
1358. Nevada Desert.
- Chapman, Carlton Theodore.**
1359. The American Fleet Hoisting the Flag at Monterey, July 7th, 1846.
- Chapman, Charles S.**
1360. The Marauder.
- Chappel, Alonso.**
1361. Lafayette: De Kalb: D'Estaing.
Lent by Albert Rosenthal, Esq.
1362. Surrender of Lee.
Lent by Albert F.

- Chase, Adelaide Cole.**
1363. The Violinist.
1364. Portrait of Mrs. Swan.
- Chase, Lila.**
1365. Portrait.
1366. Elizabeth.
- Chase, William Merritt.**
1367. Portrait of Mrs. C.
Lent by Carnegie Institute.
1368. Woman With the White Shawl.
Lent by the Pennsylvania Academy of Fine Arts.
1369. Miss Emmett.
Lent by the Brooklyn Museum.
1369A. Portrait of Whistler.
1370. Mrs. Mason.
1371. Self Portrait.
1372. A Poor Man's Meal.
1373. Orangie.
1374. Mrs. Vonnoh.
1375. Friendly Advice.
1376. Mrs. Chase.
1377. A Passenger Boat.
1378. Venice.
1379. Old Houses: Venice.
1380. On a Grand Canal.
1381. Italian Landscape.
1382. Long Island Landscape.
1383. Koto.
1384. Study of a Young Girl.
1385. Mrs. Labagean.
1386. Fruit.
1387. Portrait of J. Frank Currier.
1388. Day Dream.
1389. Helen.
1390. R. U. Johnson.
1391. Still Life: Fish.
1392. Big Copper Kettle and Fish.
1392. Back of the Villa.
1394. Steichen.
1395. Mrs. Sullivan.
1396. Just Onions.
1397. Portrait of an Artist.
1398. Salute.
1399. Mr. Sullivan.
- Chimona, Nicolas.**
1400. Hellas.
1401. Les Isles du Prince.
- Christmas, E. W.**
1402. Christ of the Andes.
1403. Moonlight in the Argentine.
- Church, Frederick Edwin.**
1404. Niagara Falls.
Lent by Corcoran Gallery of Art.
- Churchill, William W.**
1405. The Model.
1406. The Manuscript.
1407. Pouring Tea.
- Clark, Alson Skinner.**
1408. Sosa Hill From the Quarry.
1409. The Cut From Empire.
1410. Big Cranes: Miraflores.
1411. Three Hills From Culebra.
1412. Gates: Pedro Miguel.
1412. Cucaracha Slide.
1414. In the Cut.
1415. Dredges Under Gold Hill.
1416. Moving the Trestle.
1417. Culebra Slide.
1418. The Cranes: Miraflores.
1419. In the Lock: Miraflores.
1420. Pedro Miguel Locks.
1420. In Tropical Waters.
Panama From the Pacific.
Market in Panama.
Gold Hill From Culebra.
First Dredges Through Gatun.
- Clark, Freeman.**
1426. The Climbers.
- Clark, Harriette A.**
1427. Mme. Sherry.
1428. Mrs. Lefevre.
1429. Constance E. Fairchild.
- Clarke, Thomas Shields.**
1430. The Dawn of New Life.
- Clarkson, Ralph.**
1431. Portrait: E. G. Keith, Esq.
- Clement, Catherine.**
1432. Portrait.
- Clonney, James Goodwyn.**
1433. Militia Training.
Lent by the Pennsylvania Academy of the Fine Arts.
- Closson, William Baxter.**
1434. A Glimpse of the Sea.
- Clute, Walter Marshall.**
1435. Romance.
- Cockroft, Edythe Varian.**
1436. Portrait Study.
1437. Girl Reading.
- Coffin, William Anderson.**
1438. Early Morning in May.
1439. September Afternoon.
1440. A March Evening.
- Cohen, Lewis.**
1441. The Great Bridge: Toledo.
1442. A Stronghold of the Scaligeri.
- Cole, George Townsend.**
1443. Mrs. Gregory McLaughlin.
1444. Miss Aileen McCarthy.
1445. Mrs. H.
- Cole, J. Foxcroft.**
1446. Landscape.
- Cole, Thomas.**
1447. Landscape.
1448. Four Sketches of the Voyage of Life.
- Cole, Thomas Castelar.**
1449. Portrait of a Lady.
- Coleman, Charles Caryl.**
1450. Sorrow.
- Coleman, Samuel.**
1451. Caravan in the Desert.
Lent by the Hillyer Art Gallery, Smith College.
- Coman, Charlotte Buell.**
1453. Pocono Hills in Winter.
- Comegys, George H.**
1454. The Ghost Story.
Lent by The Pennsylvania Academy of the Fine Arts.
- Conant, Lucy Scarborough.**
1455. The Beloved Pine: Campfer.
1456. Pix Languard From Rosegg Valley.
1457. The Matterhorn.
1458. The Sella Joch: Dolomites.
1459. The Jungfrau at Noon.
1460. The Silver Lakes of the Engadine.
- Conant, Marjorie.**
1461. Late Afternoon.
- Congdon, T. E.**
1462. The Greenroom.
- Connell, E. D.**
1463. The Dunes.
- Conner, John Ramsey.**
1464. Cottage Interior.
1465. The Little Seamstress.

- Coolidge, Bertha.**
 1466. Portrait of a Russian Girl.
 1467. Portrait of Miss E. L. V.
 1468. Woman in White.
 1469. Portrait of Mrs. R.
 1470. Portrait of Miss Gertrude Fiske.
- Coolidge, Mary Rosamond.**
 1471. Portrait of S. Burtis Baker.
 1472. Portrait: Miss S.
 1473. The Old-Fashioned Gown.
- Cooper, Colin Campbell.**
 1474. The White House.
 1475. A Salem Residence.
 1476. Mountains at Gruyeres: Switzerland.
 1477. Bowling Green: New York.
 1478. Beauvais Cathedral.
 1479. Fifth Avenue: New York.
- Cooper, Emma Lampert.**
 1480. Temple at Jaipur.
 1481. Side Street: Beauvais.
- Copley, John Singleton.**
 1482. Portrait of Mrs. Elizabeth Willing Powell.
 Lent by The Pennsylvania Academy of the Fine Arts.
- Coques, Gonzales.**
 1483. Burgomeister and Family.
 Lent by Charles M. Cooke, (Ltd.).
- Cornoyer, Paul.**
 1484. Winter: Columbus Circle.
 1485. Old New York.
- Corot, Jean Baptiste Camille.**
 1486. Landscape.
 Lent by Miss Caroline A. McClees.
 1487. Boy Sketching.
 Lent by Miss Henrietta E. Failing.
- Courbet, Gustave.**
 1488. Study of a Thoroughbred.
 Lent by Albert Rosenthal, Esq.
 1489. Young Man With Violoncello.
 Lent by C. E. S. Wood, Esq.
- Couse, E. Irving.**
 1490. The Turquoise Beadmaker.
 1491. An Indian Shepherd.
 1492. Twilight: Taos Pueblo.
- Cox, Kenyon.**
 1493. Plenty.
 Lent by the National Gallery.
- Cox, Louise.**
 1494. Mayflowers.
 Lent by the National Gallery.
 1495. A Daughter of Eve.
- Crane, Bruce.**
 1496. The Templed Hills.
- Crisp, Arthur.**
 1497. The Philanderer.
 1498. A Song Hit.
 1499. The Little Spinster.
 1500. Dim Yesterday's Pageant Back-grounds To-day.
- Crome, John (Old Crome).**
 1501. The Blasted Tree.
- Cropley, Jasper F.**
 1502. On the River.
 Lent by Harry W. Watrous, Esq.
- Cross, Sally.**
 1503. Portrait: Miss Lillian Gardener.
 1504. Portrait of Miss Turner.
 1505. Mrs. Quincey.
 1506. Miss Dora Wetherbee.
 1507. Portrait of Miss McKay and Peter.
 1508. Portrait of Olin Downes, Esq.
- Crowley, Gray Price.**
 1509. Mrs. Alfred Gray.
- Cucuel, Edward.**
 1510. The Bath.
 1511. Summertime.
 1512. The Girl in Yellow.
 1513. Autumn Sun.
- Cunéo, Cyrus Cincinnati.**
 1513A. The Mother.
- Cunéo, Rinaldo.**
 1514. Notre Dame: Paris.
- Curran, Charles C.**
 1515. Daffodils.
- Currier, J. Frank.**
 1516. A Munich Boy.
 Lent by the Carnegie Institute.
 1517. Whistling Boy.
 Lent by the John Herrop Art Institute.
 1518. Self Portrait.
 Lent by William M. Chase, Esq.
 1518A. A Head.
 Lent by J. Harsen Rhoades, Esq.
- Curtis, William Fuller.**
 1519. The Golden God.
- Cushing, Howard Gardiner.**
 1520. Decorative Panel.
 1521. Decorative Panel.
 1522. Decorative Panel.
 1523. Interior.
 1524. Portrait.
 1525. Portrait.
 1526. Wardrobe.
- Dabo, Leon.**
 1527. The Rockets: Rain of Fire.
- Dagnan-Bouveret, Pascal Adolphe Jean.**
 1528. Consolatrix Afflictorum.
- Dana, Charles Edmund.**
 1529. The Canon's House: Gruyeres.
 1530. St. Augustine: Fribourg.
 1531. Morat.
 1532. Treves.
 1533. Bazaar Okair Zohit.
 1534. Abazzia San Gregorio: Venice.
 1535. Bad-el-Metawaleh: Cairo.
 1536. Bazaar: Gama Ibrahim Aga: Cairo.
- Daubigny, Charles Francois.**
 1537. The New Moon.
 Lent by Charles F. Adams, Esq.
- Davey, Randall.**
 1538. Captain Dan Stevens: Lighthouse Keeper.
 1539. Girl in Blue.
 1540. Segovian Man.
- Davis, Charles H.**
 1541. The Northwest Wind.
 1542. May Morning.
- Davis, Stuart.**
 1543. The River.
 1544. The Fog.
 1545. A Back Yard.
 1546. The Cafe Logue.
- Davol, Joseph Benjamin.**
 1547. Maine Coast.
 1548. A Winter Coast: Moonlight.
 1549. Where Sea and River Meet.
- Dawson, George Walter.**
 1550. An Old Cottage Rose.
 1551. A New England Garden.
 1552. Yellow Harrison Roses.
 1553. Rhododendrons.
 1554. Rose-Covered Wall: Spain.
 1555. White Water.
 1556. Water Lily.

- De Camp, Joseph E.**
1557. Portrait of Frank Duveneck.
Lent by the Cincinnati Museum Association.
- De Jong, Betty.**
1558. Beatrix.
1558. The Dancing Girl.
1560. Portrait of Miss Isabelle P.
- De Voll, F. Usher.**
1561. East River: New York: Winter.
1562. Quebec From the Fortifications.
1563. The White City.
1564. Brooklyn Bridge: Winter.
- de Wentworth, Cecile.**
1565. Portrait of William Howard Taft.
1566. Taper to Saint Genevieve.
- Del Mas, Maurice.**
1567. Late Afternoon in the Sierras.
- Deming, Adelaide.**
1568. A Quiet Day.
- Deming, Edwin Willard.**
1569. Prayer to the Manes of the Dead.
1570. Vow of Vengeance.
- Dewey, Charles Melville.**
1571. The Harvest Moon.
- Diaz, Narciso Vergilio de la Pena.**
1572. Wood Interior.
- Dickman, Charles J.**
1572A. Dawn.
1572B. Picardy Fisher Folk.
- Dillaye, Blanche.**
1573. The God of Good Fortune.
1574. The Evening Star.
1575. On the Grand Morin.
1576. Moonlight.
- Dimock, E.**
1577. Sweat Shop Girls in the Country.
1578. East Side School Children.
1579. Group.
1580. Group.
1581. Group in New England.
1582. Sweat Shop Girls in the Country.
- Dirks, Rudolph.**
1583. On the Dike.
1584. The Boatman.
1585. Head of Old Dutchman.
1586. Clearing Land.
- Dixon, Maynard.**
1587. Navajo Women.
1588. The Trail in Oregon.
1589. The Palomino Mare.
- Dolph, J. H.**
1590. The Rat Who Retired From the World.
Lent by Mrs. Helen Foster Barnett.
- Donoho, Euger.**
1591. The Rose Terrace.
1592. A Veil of Leaves.
1593. Wind Flowers.
1594. A Garden.
- Dougherty, Parke C.**
1595. Moonlight.
1596. Mount St. Michel.
1597. Winter Morning: Etretat.
- Dougherty, Paul.**
1598. Toward the Sunlight.
1599. Changing Weather.
1600. Storm Gleams.
1601. From Clodgy Point.
- Doughty, Thomas.**
1602. On the Susquehanna.
Lent by The Pennsylvania Academy of the Fine Arts. Acad.
1603. Landscape.
Lent by The Pennsylvania Academy of the Fine Arts. Acad.
- Dow, Arthur Wesley.**
1604. The Great Shadow.
1605. The Enchanted Mesa.
- Du Bois, Guy Fene.**
1606. Trapeze Performer.
- Duez, E.**
1607. By the Sea Shore.
- Dufner, Edward.**
1608. Portrait: A Ray of Sunlight.
1609. Summer Evening.
1610. Moonlight on the Lake.
1611. Reflections.
- Dull, John J.**
1612. Winter Landscape: No. 1.
1613. Winter Landscape: No. 2.
1614. Winter Landscape: No. 3.
1615. Winter Landscape: No. 4.
- Dumond, Frederic Melville.**
1616. 1849.
1617. Portrait Sketch of Babette de Cernoe.
1618. Boss Tradin' on the Reservation.
1619. Ratón Pass.
1620. Sea Carvings.
- Dumond, Frank Vincent.**
1621. The Bathers.
1622. May Bloom.
1623. July Afternoon.
1624. Gray Newfoundland.
1625. The Elopers.
1626. The Fairy Tale.
- Dumond, Helen Savier.**
1627. An Arm of the Mediterranean.
1628. Southern France.
- Dunbar, Harold C.**
1629. Girl in Black.
1630. Portrait of Mrs. D.
- Dunlap, Helena.**
1631. The Dressing Table.
1632. Mountain Cottages.
1633. The Senor's Garden.
1634. Summer Afternoon.
- Dunlap, William.**
1635. Portrait.
Lent by Albert Rosenthal, Esq.
1636. Portrait.
Lent by Albert Rosenthal, Esq.
1637. President Tyler.
Lent by Albert Rosenthal, Esq.
1638. Portrait of a Lady.
Lent by Albert Rosenthal, Esq.
1639. Scene from Harvey Birch: The Spy.
Lent by Albert Rosenthal, Esq.
- Durand, Asher Brown.**
1640. The Morning of Life.
Lent by the National Academy of Design.
1641. A. B. Durand as a Young Man.
Lent by the National Academy of Design.
1642. The Thunder Storm: Catskills.
Lent by H. K. Bush-Brown, Esq.
- Durkee, Helen Winslow.**
1643. Bathing.
1644. Portrait of Miss D. Margaret.
1645. Margaret.
1646. The Spanish Shawl.
1647. Hilda.
1648. William Ives, Esq.
1649. Autumn.
1650. Still Life.
1651. Kadidje.
1652. A Study.
1653. The Flowered Dress.
1654. Still Life.
1655. Portrait.

- Dustin, Silas S.
1656. Midnight in New England.
- Duveneck, Frank.
1657. Beechwoods; Polling; Bavaria.
Lent by the Cincinnati Museum Association.
1658. Unfinished Portrait Study.
Lent by the Cincinnati Museum Association.
1659. Head of a Young Girl.
Lent by the Cincinnati Museum Association.
1660. Girl's Head.
Lent by the Cincinnati Museum Association.
1661. Young Man With Red Skull Cap.
Lent by the Cincinnati Museum Association.
1662. Girl Head Yellow Background.
Lent by the Cincinnati Museum Association.
1663. Blind Old Man.
Lent by the Cincinnati Museum Association.
1664. Sketch of a Nude.
Lent by the Cincinnati Museum Association.
1665. Study of a Nude Back.
Lent by the Cincinnati Museum Association.
1666. Young Man With a Ruff.
Lent by the Cincinnati Museum Association.
1667. Blacksmith.
Lent by the Cincinnati Museum Association.
1668. Whistling Boy.
Lent by the Cincinnati Museum Association.
1669. John W. Alexander.
Lent by the Cincinnati Museum Association.
1670. Head: Portrait of Mr. Mills.
Lent by the Cincinnati Museum Association.
1671. Man With Red Hair.
Lent by the Cincinnati Museum Association.
1672. Woman With Forget-Me-Nots.
Lent by the Cincinnati Museum Association.
1673. Portrait of Man in Spanish Costume.
Lent by the Cincinnati Museum Association.
1674. Portrait of William Adams.
Lent by the Cincinnati Museum Association.
1675. Turkish Page.
Lent by The Pennsylvania Academy of the Fine Arts.
1676. Italian Boy.
Lent by George E. Hopkins, Esq.
1677. The Hunchback.
Lent by Miss Jane Otis.
1678. Portrait of Frank Currier.
Lent by Alfred Juergens, Esq.
1679. Blue Boy.
Lent by Mrs. D. H. Holmes.
1680. Lady With a Veil.
Lent by George E. Hopkins, Esq.
1681. Portrait of Professor Loeffler.
Lent by Mrs. Herman Goepper.
1682. Portrait: Mrs. Francis Hinkle.
Lent by W. H. Hinkle, Esq.
1683. Woman With a Fan.
Lent by M. A. De Wolfe Howe, Esq.
1684. Sketch of a Turk.
Lent by the Tavern Club.
1685. Portrait.
Lent by William M. Chase, Esq.
- Duveneck, Frank—(Continued).
1686. Portrait Sketch.
Lent by the Tavern Club.
1687. Laguna: Venice.
Lent by Cincinnati Museum Association.
1688. Venetian Bridge.
Lent by Cincinnati Museum Association.
1689. Riva degli Schiavoni No. 2.
Lent by Cincinnati Museum Association.
1690. Grande Canal: Venice.
Lent by Cincinnati Museum Association.
1691. Bridge of Sighs.
Lent by Cincinnati Museum Association.
1692. The Rialto: Venice.
Lent by Cincinnati Museum Association.
1693. Piazza San Marco: Venice.
Lent by Cincinnati Museum Association.
1694. View of the Grande Canal: Venice.
Lent by Cincinnati Museum Association.
1695. Palazzo Ca Doro: Venezia (1883).
Lent by Cincinnati Museum Association.
1696. In the Bay of Venice.
Lent by Cincinnati Museum Association.
1697. Ponte Vecchio: Florence (1884).
Lent by Cincinnati Museum Association.
1698. San Pietro in Castello: Venice.
Lent by Cincinnati Museum Association.
1699. Riva degli Schiavoni: Venice No. 1.
Lent by Cincinnati Museum Association.
- Eakins, Thomas.
1700. The Bohemian.
1701. Portrait of Henry O. Tanner.
1702. The Veteran.
1703. The Home Ranch.
1704. The Crucifixion.
1705. The Concert Singer.
- Eaton, Charles Warren.
1706. The Shawangunk Valley.
1707. Summer Night: Lake Como.
- Ebert, Charles.
1708. The Fog Bow.
1709. Monhegan Headlands.
1710. Early November.
- Edmondson, William J.
1711. The Garden.
- Edwards, George Wharton.
1712. No-Man's Ledge: Monhegan.
- Eichholtz, Jacob.
1713. Portrait: Mr. Arundel.
Lent by Albert Rosenthal, Esq.
1714. Portrait Mrs. Arundel.
Lent by Albert Rosenthal, Esq.
1715. Portrait of John Howard Payne.
Lent by John Frederick Lewis.
- Eisenlohr, E. G.
1716. First Furrows.
- Elliott, Charles Loring.
1717. Portrait of Colonel Thomas L. McKenney.
Lent by Currier Gallery of Art.
1718. Portrait of H. W. Hewitt.
Lent by Art Institute of Chicago.
1719. Portrait of Mrs. Mary A. Gumbing.
Lent by the National Academy of Design.

- Elliott, Elizabeth Shippen Green.**
 1720. The Princess.
 1721. Antoine and the Little Wooden Soldier.
 1722. The Moon World.
 1723. The First Communion.
 1724. Inspector Joly.
 1725. Queen Cophetua.
 1726. Queen Jehan and Riczi.
 1727. Elizabeth.
- Engel, Otto H.**
 1728. Picnic on the Beach.
- Engelbrechtsen, Cornelis.**
 1729. Lot and His Daughters.
 Lent by Dr. Gilbert L. Parker.
- English, Frank P.**
 1730. River Wensum: Norwich.
 1731. A Delaware Village.
 1732. Cobb's Creek.
 1733. A Home at Brookville.
 1734. Millbank: Upper Darby.
 1735. A Mill on Cobb's Creek.
 1736. A Summer Evening.
 1737. Yarmouth.
 1738. Folly Bridge: Oxford.
 1739. Norwich.
- Enneking, John Joseph.**
 1740. November Twilight.
 1741. December Thaw.
- Ericson, David.**
 1742. The Late Tea.
 1743. Low Tide.
- Eser, Theodor.**
 1744. Interior.
- Evans, Frances.**
 1745. Portrait.
- Everett, Herbert Edward.**
 1746. Cottage Garden.
 1747. Garden at Pipestave Hill.
- Fairchild, May.**
 1748. The Rose.
- Farley, Richard Blossom.**
 1749. Blue and Gold.
 1750. Barnegat Beach.
 1751. Dunes at Barnegat.
- Farndon, Walter.**
 1752. Wistaria Arbor.
- Fassett, Truman B.**
 1753. Spanish Dancer.
 1754. Portrait: Mrs. Fassett.
- Fechin, Nicholas.**
 1755. Lady in Pink.
 Lent by Wm. Smith Stimmel, Esq.
- Feldman, Baruch M.**
 1756. Portrait Study: Introspection.
- Fenderson, Annie M.**
 1757. Portrait of Wilhelmina.
- Ferguson, Nancy M.**
 1758. The Old Homestead.
 1759. A Rural Lane.
 1760. The Barber Shop.
- Fernow, Bernice P. Andrews.**
 1761. Pierpont Edwards Dutcher: Third Childhood.
 1762. Mrs. E. L. Smith.
 1763. Mrs. Charles Palmer.
- Filemyr, Joseph J.**
 1764. The Silent Hour.
- Fi Denman.**
 1765. Portrait of Mrs. F.
- Fi Frederick.**
 1766. Portrait of Artist in His Studio.
- Finkelnburg, Augusta.**
 1768. My Woodside Park.
 1769. The Old Homestead.
- Finn, James Wall.**
 1770. Girl With a Fan.
- Firebaugh, Nettie King.**
 1771. Professor Joseph Le Conte.
 1772. Mrs. August Porter.
- Fisher, Mark.**
 1772A In the Garden.
 1772B The Rick Yard.
 1772C A Gray Day.
 1772D On the River Stort.
- Fiske, Gertrude.**
 1773. The Shadow.
 1774. Study in Black and White.
- Fitz, Benjamin B.**
 1775. The Harvesters: 1887.
 Lent by the Hillyer Art Gallery: Smith College.
- Flagg, Charles Noel.**
 1776. Portrait of Paul Wayland Bartlett.
- Flagg, Jared.**
 1777. Portrait of Hon. John W. Brown.
 Lent by the City of New York.
- Folger, Annie B.**
 1778. October Hillside: Nantucket.
 1779. Sand Dunes.
 1779A Passing Cloud Shadows.
- Foot, Josephine J.**
 1780. Junior.
- Foot, Mary.**
 1781. Portrait of Mrs. Herman Kobbé.
 1782. Mrs. John Carpenter.
 1783. Portrait of August Jaccaci, Esq.
 1784. Study.
 1785. Portrait of Miss Matilda Brownell.
- Foot, Will Howe.**
 1786. Italian Girl's Head.
 1787. Gloucester Harbor.
 1788. Sunny Interior.
 1789. Hydrangeas.
- Foreman, Alice.**
 1790. Portrait: Irish Rose.
 1791. Portrait.
- Forsyth, William.**
 1792. Winter in the Hills.
 1793. The Red Hill.
 1794. A Sunny Corner.
 1795. The Wind From the West.
- Fortune, E. Charlton.**
 1796. The Galloway Inn.
 1797. Moonlight.
 1798. Betty.
 1799. Summer.
 1800. Carmel Mission.
 1801. The Pier.
 1802. The San Gabriel Vine.
- Fortuny y Carbo, Mariano.**
 1803. The Model: A Sketch.
 Lent by the Pennsylvania Academy of the Fine Arts.
 1804. The Arab Blacksmith.
 Lent by Mrs. Reginald Smith.
- Foss, Harriet Campbell.**
 1805. Pink Phlox.
- Foster, Ben.**
 1806. October Morning.
- Fournier, Alexis Jean.**
 1807. Peaceful Night on the S.
 1808. Morning in Venice.

- Friescke, Frederic Carl.**
 1809. The Garden Chair.
 1810. Sleep.
 1811. Youth.
 1812. Boudoir.
 1813. Girl Embroidering.
 1814. The Bay Window.
 1815. The Garden.
 1816. Summer.
- Froelich, Maren M.**
 1817. The Chinese Robe.
- Fuller, George.**
 1818. Lorette.
 Lent by Corcoran Gallery of Art.
 1819. A Head.
 Lent by W. B. Ayer, Esq.
 1820. Marguerite.
- Fuller, Henry B.**
 1821. Triumph of Truth Over Error.
- Fuller, Lucia Fairchild.**
 1823. The Girl and the Net.
 1823. In the Days of King Arthur.
 1824. Portrait of a Child.
 1825. Artemidora.
 1826. The Red Flower.
- Funk, Wilhelm.**
 1827. Mrs. John W. McKinnon.
- Gaensslen, Otto Robert.**
 1828. Youth.
- Gainsborough, Thomas.**
 1829. Sir Wm. Lynch.
 Lent by Hackley Art Gallery.
 1830. Landscape.
 Lent by Charles M. Cooke (Ltd.).
 1831. A Grand Landscape.
- Gale, Harriette Draper.**
 1832. Study in Brown.
- Gallagher, Sears.**
 1833. From the Bridge.
- Galt, Charles Franklin.**
 1834. The Etcher.
 1835. The Gypsy.
- Garber, Daniel.**
 1836. Sister.
 1837. The Sunlit Wall.
 1838. Quarry: Evening.
 1839. Cherry Blossoms.
 1840. Little Village Winter.
 1841. From Tinicum Hill.
- Garrett, Edmund.**
 1842. Heart of New England.
- Gauley, Robert David.**
 1843. Reverie.
 1844. Portrait: Pedro de Cordoba.
- Gay, Walter.**
 1845. Les Pigeons Savants.
 Lent by Albert Rosenthal, Esq.
- Gelhaar, Emil.**
 1846. Packer Hall.
- Gifford, Sanford B.**
 1847. The Golden Horn.
 Lent by Hon. Charles H. Carey.
- Gihon, O.**
 1848. Peasant Houses.
 1849. Haunted House.
 1850. A Corner: Rue de Vaugirard.
- Gilchrist, Wallace W., Jr.**
 1851. Girl in Pink.
 1852. The Old Gold Screen.
 1853. A Quiet Sea.
 1854. Rocks: The Maine Coast.
 1855. The Fish Dock.
 1856. Towards the Sun.
 1857. Twin Birches.
 1858. Incoming Tide.
- Glackens, William J.**
 1860. Woman with Apple.
 1861. Chez Moquin.
 1862. Family Group.
 1863. Girls Bathing.
 1864. Green Car.
- Glittenkamp, Henry J.**
 1866. Wind Gap.
- Gobelin Tapestries.**
 1866A. Coriolanus Set. No. 2.
 Lent by Mrs. Phoebe A. Hearst.
 1866B. Coriolanus Set. No. 3.
 Lent by Mrs. Phoebe A. Hearst.
 1866C. Coriolanus Set. No. 4.
 Lent by Mrs. Phoebe A. Hearst.
 1866D. Coriolanus Set. No. 5.
 Lent by Mrs. Phoebe A. Hearst.
- Goetsch, Gustav F.**
 1867. Marblehead.
 1868. In the Harbor.
 1869. Marblehead Harbor.
 1870. The Harbor.
 1871. On the Harlem River.
- Gohler, Hermann.**
 1872. Schloss Favorite.
- Goodwin, Arthur Clifton.**
 1873. Boylston Street: Boston.
 1874. T Wharf: Boston.
 1875. Boylston Street: Boston.
- Gotthold, Florence Wolf.**
 1876. The Yellow Cat.
- Goya y Lucientes, Francisco Jose de.**
 1877. Don Juan Jose Perez Mora.
 Lent by Hackley Art Gallery.
 1878. Portrait of Isidoro Malquez.
 Lent by Martin A. Ryerson, Esq.
- Grabach, John R.**
 1879. Banks of the Connecticut River.
- Grant, L.**
 1880. Fishing Boats: Concarneau.
- Granville-Smith, Walter.**
 1881. The Boat Shop.
 1882. Summer Breeze.
 1883. The Landing.
 1884. Queen's Lane.
 1885. Clearing Mists.
- Gray, Frederick G.**
 1886. Early Morning.
 1887. Portrait Study: Hon. Joseph G. Cannon.
 1888. Portrait.
- Gray, Henry Peters.**
 1889. Cupid Begging His Arrows.
 Lent by The Pennsylvania Academy of the Fine Arts.
- Gray, Percy.**
 1890. Out of the Desert: Oregon.
- Griffin, Walter.**
 1892. Church of S. Trovaso: Venice.
 1893. Late Afternoon: Breton Village.
 1894. Springtime.
 1895. Grand Canal: Venice No. 1.
 1896. Grand Canal: Venice No. 2.
 1897. May Morning.
 1898. Bridge: Venice.
 1899. Zattere: Venice.
- Groll, Albert Lorey.**
 1900. Arizona Desert.
 1901. Lake Louise.
 1902. Peace: Hopland.
- Grossman, Edwin Booth.**
 1903. Still Life.

- Grover, Oliver Dennett.**
1904. Ponte Vecchio: Florence.
Lent by Mrs. J. B. Blackstone.
1905. Rocky Shore: Lake Garda.
- Guerin, Jules.**
1906. Pigeon Mosque: Constantinople.
1907. Temple of Sunium.
1908. Eyub on the Golden Horn.
1909. The Great Bazaar: Constantinople.
1910. The Mosque of Sulleman: Constantinople.
1911. Cairo: The Blue Mosque.
1912. Landscape Near Siena.
1913. The Three Wise Men.
- Guido of Siena.**
1914. Madonna.
Lent by Dan Fellows Platt, Esq.
- Gustin, Paul Morgan.**
1915. Great Cloud.
1916. Mountain Snowfields.
1917. The Cascades from Pyramid Park.
1918. Mount Rainier.
1919. November Evening: Puget Sound.
1920. A Clearing in the Northwest.
- Gutmann, Bernhard.**
1921. Nude.
- Haggis, Ben AH.**
1922. Little White Dancer.
- Hallman, Johanna K. Woodwell.**
1923. A Tropical Menage.
1924. To Market in the West Indies
1925. Tony.
- Hale, Lillian Westcott.**
1926. Portrait.
1927. Lavender and Old Ivory.
1928. Bleeding Hearts.
1929. Anemones.
1930. The Fortune Teller.
1931. Madonna Lilies.
1932. Portrait of Nancy.
1933. China Asters.
1934. Gardenia Rose.
1935. Celia's Arbor.
- Hale, Philip Leslie.**
1936. Sun Bath.
1937. La Princesse Lointaine.
1938. A Family Affair.
1939. Lilies of the Madonna.
1940. Autumn Fruits.
1941. A Passing Hour.
1942. Wistaria and the Mysterious Miss Wistar.
1943. The Tower of Ivory.
1944. Portrait.
1945. Woman with Roses.
- Hale, Walter.**
1948. The Walk Along the Ramparts.
1948A. After the Rain: Bayeux.
1946. Ruined Castle on the Neckar.
1947. The Chapel on the Rock: Le Puy.
- Hall, Kleber.**
1949. Constance.
- Hallowell, George Hawley.**
1950. Wood's Lake.
1951. Island Lake.
1953. The Driving Pitch.
1954. The Logan.
1955. The Snow Path.
1956. The Choppers.
1956A. New Hampshire Snow.
- Halpert, Samuel.**
1957. Interior.
1958. Lake George.
1959. Still Life.
- Hambuchen, Wilhelm.**
1960. Early Autumn Morning.
- Hamilton, James.**
1961. Old Ironsides.
Lent by The Pennsylvania Academy of the Fine Arts.
- Hamilton, John McLure.**
1962A. Resignation.
1962B. I Won't.
1962C. The Tulle Sleeve.
1962D. The Wind.
1962E. Portrait Sketch.
1962F. Flirtation.
1962G. The Mirror.
1962H. Reverie.
1962I. Meditation.
1962J. Girl Stretching.
1962K. Qui Vive!
1962L. Interested.
1962M. The Victory.
1962N. The Coquette.
1962O. Binding Her Tresses.
1962P. Drawing.
1962Q. Sketch.
1962R. The Empty Bed.
1963A. Sheffield Plate.
1963B. Drawing.
1963C. Changeable Taffeta.
1963D. Half Hour Before Dinner.
1963E. The Mincing Maid.
1963F. The Dancer.
1963G. Chagrin.
1963H. After the Ball.
1963I. King's Cream Pony.
1963J. Royal Coach.
1963K. King's Cream Pony.
1963L. Sketch.
1963M. King's Cream Pony.
1963N. King's Cream Pony.
1963O. Girl Yawning.
1963P. The Debutante.
1963Q. Drawing.
1964. Gladstone at Hawarden.
1965. Pennell.
1966. Sir Archibald Glikie.
1967. Mother.
- Hamilton, Mary Riter.**
1968. Old Woman: Study.
1969. The Poor.
- Hamilton, Wilbur Dean.**
1970. Portrait.
1971. Portrait of Justice McKenna.
1972. Spring.
- Hammond, Arthur J.**
1973. The Old Artist.
- Hansen, Armin O.**
1974. At the Breakfast Table.
1975. The Belated Boat.
- Harding, Chester.**
1976. John Randolph of Roanoke.
Lent by Corcoran Gallery of Art.
- Harding, George.**
1977. Night: Australian Desert.
1978. The Wreckers.
1979. The Fisherwoman.
1980. Colombo Harbor.
1981. Busy Day at the Docks.
- Harland, Mary.**
1982. Italian Fisherman.
- Harper, Marian Dunlap.**
1983. My Dear.
1984. Miss G.
- Harrison, Alexander.**
1985. The Joy of Life.
1986. Sun: Sea.
1987. Wave Glitter.
1988. Sun Glitter.
1989. Moon Clouds.
1990. Nature's Mirror.

Harrison, Birge.

- 1991. White Wings.
- 1992. Evening in Philadelphia.
- 1993. The Tow on the Lake.
- 1994. The Red Saw Mill.

Hart, James McD.

- 1995. On the Croton.
Lent by Fred E. Sander, Esq.

Hartman, C. Bertram.

- 1996. Two Natures.

Haseltine, Charles F.

- 1997. Summer Day in New Hampshire.
- 1998. In the Woods.
- 1998A. Summer Day in Vermont.

Haseltine, William Stanley.

- 1999. Cannes.

Hassam, Childe.

- 2000. Puerta del Sol: Toledo.
- 2001. Isles of Shoals: Duck Island.
- 2002. Newfields: New Hampshire.
- 2003. The Old Home with Elms.
- 2004. The Old House: September.
- 2005. The Squal: Gloucester.
- 2006. Lannion.
- 2007. Moonrise at Sunset.
- 2008. Brittany Cottage.
- 2009. Happy Valley: Harney Desert.
- 2010. Skull Springs: Oregon.
- 2011. Der Groot House: Haarlem.
- 2012. The Quais: Lannion.
- 2013. The Fete of Lannion: Grey Evening.
- 2014. Brelevenez: 2nd.
- 2015. Aphrodite.
- 2016. St. Michaels: Lannion.
- 2017. La Clarte.
- 2018. Brelevenez.
- 2019. Street in Haarlem.
- 2020. The Blue Sea: Appledore.
- 2021. Welr's Farm: the Rain.
- 2022. Cathedral Spire: Antwerp.
- 2023. The Terre Cult Tea Set.
- 2024. The Strawberry Tea Set.
- 2025. The Woman with Black Furs and Fire Opals.
- 2026. Sunset: New England Coast.
- 2027. In the Shadow of the Vine.
- 2028. The South Ledges.
- 2029. The Yachts: Gloucester Harbor.
- 2030. Diana's Bath.
- 2031. Portrait of a Young Girl.
- 2032. The Ancient Window of Nemours.
- 2033. The West Indian Girl.
- 2034. New England Peaches and Grapes.
- 2035. Couch on the Porch: Cos Cob.
- 2036. Reading the Letter.
- 2037. California Hills in Spring.

Haweis, Stephen.

- 2038. Na Aissama: a Fijian Village.
- 2039. Vakamololo Dance: Fiji: 1.
- 2040. Vakamololo Dance: Fiji: 2.
- 2041. Vakamololo Dance: Fiji: 3.
- 2042. Vakamololo Dance: Fiji: 4: Three Girls.
- 2043. Na Muala: Fiji Islands.
- 2044. Fort Del Marmit: Liguria.

Hawley, Margaret Foote.

- 2045. Portrait of Clarence Williams.
- 2046. Portrait of Miss Jean Hooke.
- 2047. Sketch of a Jewish Boy.
- 2048. Portrait of Miss Barbara Quin.

Haworth, Edith.

- 2049. Gibraltar.
- 2050. Midsummer.
- 2051. Cypress Tree.
- 2054. Village Street: Provincetown.
- 2052. African Coast.
- 2053. Rainy Evening.

Hawthorne, Charles Webster.

- 2055. The Market Woman.
- 2056. Fisherman's Daughter.
- 2057. Mother and Child.
- 2058. Granddaughter.

Hayden, Charles H.

- 2059. Landscape.
Lent by St. Botolph Club.

Hazelton, Mary Brewster.

- 2060. Reverie.
- 2061. The Letter.

Hasen, Wilhelmina.

- 2062. Twin Pearls.
- 2063. La Senora G.
- 2064. Brownie.

Healy, G. P. A.

- 2065. Daniel Webster.
Lent by John Frederick Lewis.

Hecht, Victor David.

- 2066. Portrait of Mrs. Irving Stern.

Hell, Charles Emile.

- 2067. Bluejay.
- 2068. Field Sparrow.
- 2069. Young Bluejay.
- 2071. Young Catbird.
- 2072. Black-cap Chickadee.
- 2074. Golden-crowned Kinglet No. 1.
- 2075. Golden-crowned Kinglet No. 2.
- 2075A. Phoebe.
- 2075B. Chickens.

Hellwag, Rudolph.

- 2076. The Pool of London.

Helsby, Alfredo.

- 2077. Chilean Farmhouses in Spring.
- 2078. A Coming Storm in the Andes.

Henderson, A. Elizabeth.

- 2079. Lessons.
- 2080. The Daily Chapter.
- 2081. The Violin.

Henri, Robert.

- 2082. Blue Kimono.
- 2083. Himself.
- 2084. Lady in Black Velvet.
- 2085. Yen Tsidi (Ground Sparrow).
- 2086. Chinese Lady.
- 2087. Odalisque.
- 2088. Himself.

Henry, Edward Lamson.

- 2089. The Presidential Election of 1844

Herkomer, Herman G.

- 2090. Mrs. Hamilton Griffin.
- 2091. Sir Hubert von Herkomer, R. A.
- 2092. Portrait: William Harvey, Esq.

Herr, Margaret.

- 2093. Malvina.
- 2094. Portrait of Miss Dougal.

Heusermann, Magda.

- 2095. My Father.
- 2096. Franz von Lenbach.
- 2097. Miss Virginia.

Hicks, Thomas.

- 2098. A Friendly Warning.
Lent by Robert M. Olyphant, Esq.

Higgins, Eugene.

- 2099. The Strange Land.

Hildebrandt, Cornelia Ellis.

- 2100. Baby's Head.

Hill, Thomas.

- 2100A Lake Tenaya
- 2100B Foothills in Mariposa County.

- Hills, Laura Coombs.**
 2101. Psyche.
 2102. Miss Margaret Curzon Hale.
 2103. The Nymph.
 2104. Portrait.
 2105. The Morning Cup.
 2106. Little Agnes.
 2107. Girl with Violets.
- Hinkle, Clarence K.**
 2108. Portrait.
- Hitchcock, George.**
 2109. Vanquished.
 2110. In Brabant.
- Hittle, Margaret A.**
 2111. Flower Beds at Reissig's.
- Hobart, Clark.**
 2112. The Blue Bay: Monterey.
- Hoerber, Arthur.**
 2113. Spray.
 2114. The Meadow Brook.
- Hoffman, Harry Leslie.**
 2115. Saturday Morning: Savannah Market.
 2116. A Mood of Spring.
- Hogarth, William.**
 2117. Anne: Viscountess Irwin.
 Lent by Hackley Art Gallery.
- Hollister, Antoinette B.**
 2118. Bavarian Peasant Mother and Child.
- Holmboe, Thorolf.**
 2119. Elder Ducks.
- Homer, Winslow.**
 2120. The Wreck.
 Lent by the Carnegie Institute.
 2121. Unruly Calf.
 Lent by the Brooklyn Museum.
 2122. The Coming Storm.
 Lent by the Lotos Club.
 2123. An Adirondack Lake.
 Lent by H. C. Henry, Esq.
 2124. Afternoon Fog.
 Lent by John Calvin Stevens.
 2125. Gathering Autumn Leaves.
 2126. The Home Signal.
 2127. The Water Melon Bug.
 2128. Sunlight and Shadow.
 2129. The Yellow Jacket.
 2130. Fisherfolks: Tynemouth.
 2131. A Country Lad.
 2132. The Butterfly.
 2133. Summer Afternoon.
- Hooper, Rosa.**
 2134. Doesn't Your Mamma Wash Your Face?
 2135. A Frenchman.
 2136. Grandfather.
- Hopkins, James B.**
 2137. Beside the Lake.
 2138. Mandarin Blue.
 2139. Frivolity.
 2140. Memories.
- Hopkinson, Charles.**
 2141. Effect of Light.
 2142. Effect of Light.
 2143. Effect of Light.
 2144. Effect of Light.
 2145. Portrait.
 2146. Knitting.
 2147. Salem Bay: Massachusetts.
- Hoymer, John.**
 2148. The Marchioness of Wellesley and Children.
- Houlahan, Kathleen.**
 2149. Portrait.
- Hovenden, Thomas.**
 2150. Peonies.
 Lent by Edward H. Coates, Esq.
 2151. Breaking Home Ties.
 Lent by Charles Custos Harrison, Jr., Esq.
- Howard, Clara E.**
 2152. Cadet.
- Howe, William Henry.**
 2153. Low Lands: Holland.
- Howland, Alfred O.**
 2154. At Cernay la Ville.
 2155. At Manchester: Vermont.
 2156. Saturday Afternoon.
- Howland, Allen S.**
 2157. Portrait of Miss A.
 2158. Portrait Study.
- Hubbard, Mary Wilson.**
 2159. A Portrait Sketch.
- Hubbell, Henry Salem.**
 2160. The Crimson Charger.
- Hubner, Ulrich.**
 2161. Clear Weather.
- Hudspeth, E. N.**
 2162. Miss Dorothy Dodge.
 2163. Rev. Canon Tremayne.
- Hunt, E. Aubrey.**
 2163A. Morocco.
 2163B. A Tidal River.
- Hunt, William Morris.**
 2164. The Flight of Night.
 Lent by The Pennsylvania Academy of the Fine Arts.
 2165. Woman's Portrait.
 Lent by Mrs. Inez Gilmore.
 2166. Silver Lake: Newtonville: Mass.
- Hunter, Isabel.**
 2166A. On the Exposition Grounds No. 1.
 2166B. On the Exposition Grounds No. 2.
- Hunter, Sara Katherine.**
 2167. Study of a Head.
- Huntington, Daniel.**
 2168. Sketcher.
 Lent by the Brooklyn Museum.
- Huntington, Margaret Wendell.**
 2169. Still Life.
- Hurley, Edward Timothy.**
 2170. Murmuring.
 2171. The New Year.
- Hurley, Irene Bishop.**
 2172. Portrait of Mrs. H.
- Hurry, Lucy W.**
 2173. The Concert in the Garden.
 2174. Waiting for the Stagecoach.
 2175. The Peacock.
- Hutchison, F. W.**
 2176. A Northern River.
- Hyde, William Henry.**
 2177. Vera.
- Myett, Will J.**
 2178. Cross Roads: Ravenrock.
- Ingersoll, Emma K. H.**
 2179. Portrait Sketch.
 2180. Baby Dan.
 2181. Mary Meigs.
- Inman, Henry.**
 2182. Portrait of Henry Pratt.
 Lent by The Pennsylvania Academy of the Fine Arts.
 2183. Mumble-the-Peg.
 Lent by The Pennsylvania Academy of the Fine Arts.
 2184. Picnic in the Catskills.
 Lent by the Brooklyn Museum.

Inness, George.

2185. The Clouded Sun.
Lent by the Carnegie Institute.
2186. In the Berkshire Hills.
Lent by the Rhode Island
School of Design.
2187. The Coming Storm.
Lent by the Buffalo Fine Arts
Academy.

Irvine, Wilson.

2188. Laughing June.
2189. The Bathing Beach.
2190. The Chasm.

Isham, Samuel.

2191. In the Park.
Lent by the Buffalo Fine Arts
Academy.

Israels, Josef.

2192. Poor Man's Harvest.

Italian School.

2193. Holy Family.
2194. Noah and His Sons.

Jackson, Annie Hurlburt.

2195. Mrs. Arthur Pickering Almy.
2196. Lapis Lazuli.
2197. Helen Kreck.
2198. Baby's Head.
2199. Child's Head.
2200. Little Newsie.
2201. The Blue Mantle.

Jakobi, Ruth.

2202. On the Sand.
2203. The Beach.
2204. Brooklyn Bridge.
2205. Atlantic City.
2206. City Square.
2207. Silent Street.
2208. Reaping.
2209. Towards Evening.
2210. Water Front.

Jamar, S. Corinne.

2211. Bob.

James, William.

2212. Portrait Study.

Jansson, Alfred.

2213. Illinois Landscape.

Jarvis, John Wesley.

2214. Portrait of a Gentleman.
Lent by Clarence Winthrop
Bowen, Esq.

Jay, Cecil.

2215. Dancing Bacchante.
2216. Maternity.
2217. Maternity.
2218. Maternity.
2219. The Love Letter.
2220. Torn Skirt.

Jewett, William.

2221. Portrait: Samuel L. Waldo.
Lent by the National Academy
of Design.

Johansen, John Christen.

- 2222A. Venetian Arcade.
2222B. The Rider.
2222C. Portrait of Miss F. B.
2222D. Village Rider.
2222E. Approaching Storm.

Johnson, David.

2223. Portrait: William S. Mount.
Lent by Albert Rosenthal, Esq.

Johnson, Eastman.

2224. A Drummer Boy.
Lent by the Union League
Club: New York City.
2224A. Henry Codman Potter: Bishop of
New York.
2224B. Edwin Booth.

Johnson, Harry L.

2225. Moon Before Sundown.
2226. The Inquiry.
2227. The Garden.
2228. Wind in the Clouds.
2229. Mother and Child.
2230. Early Spring: Rose Valley.
2231. Charybdis.

Jones, Francis C.

2232. The Divan.

Jones, Hugh Bolton.

2233. Through the Trees.

Jones, Leon Foster.

2234. Long Island Village.
2235. A Misty Day in Winter.

Jouett, Matthew Harris.

2236. Artist's Wife.
Lent by R. H. Menefee, Esq.
2237. Portrait of Boy and Dog.

Juergens, Alfred.

2238. In May.
2239. Garden Flowers.

Jung, C. Jac.

2240. Winter Afternoon.

Kaelin, Charles S.

2241. Bits of Snow.
2242. Boats in Harbor.
2243. Old Mill.
2243A. Rocks and Sea.

Kaiser, Richard.

2244. From an Old Park.

Kaula, Lee Lufkin.

2245. On the Old Settle.

Kaula, William J.

2246. Clouds from the West.

Keith, William.

2247. Revelation.
Lent by Mrs. E. N. Harmon.
2248. Quiet Pool.
Lent by Mrs. E. N. Harmon.
2249. Shepherdess.
Lent by Mrs. E. N. Harmon.
2250. Sunset.
Lent by Mrs. E. N. Harmon.
2251. Landscape.
Lent by Mrs. Reginald Knight
Smith.
2252. Grey Morning.
Lent by Mrs. Mary C. Richard-
son.
2253. Landscape.
Lent by Mrs. Mary C. Richard-
son.
2254. Sketch.
Lent by Mrs. Mary C. Richard-
son.
2255. Water Color.
Lent by Mrs. Mary C. Richard-
son.
2256. The Impression.
Lent by Mrs. Mary McHenry
Keith.
2257. Spirit of Music.
Lent by Mrs. Mary McHenry
Keith.
2258. Midsummer Night's Dream.
Lent by Mrs. Mary McHenry
Keith.
2259. Landscape.
Lent by the Joseph Worcester
Estate.
2260. No Title.
Lent by the Joseph Worcester
Estate.
2261. Landscape. No. 1.
Lent by Mrs. Henrietta Zelle.

Keith, William—(Continued).

2262. Landscape. No. 2.
Lent by Mrs. Henrietta Zeile.
2263. Landscape. No. 3.
Lent by Mrs. Henrietta Zeile.
2264. Landscape. No. 4.
Lent by Mrs. Henrietta Zeile.
2265. Landscape. No. 5.
Lent by Mrs. Henrietta Zeile.
2266. Landscape.
Lent by C. F. Jacobsen, Esq.
2267. Cloudy Day.
2268. Rainy Day.
2269. The Symphony of Peace.
2270. Portals of the Woods.
2271. Silent Hour.
2272. Storm.
2273. Into the Storm.
2274. Landscape.
2275. Water Color.

Keller, Arthur I.

2276. The Bach Double Concerto.
2277. The Young Critic.

Keller, Edgar.

2278. Under the Bridge: Harlem River.

Kelly, Hannah E.

2279. When Roses Bloom.

Kendall, Margaret.

2280. Miss Helen Huntington.
2281. Spirit of the Woods.
2282. In the Brook.
2283. Bruno and His Mistress.
2284. Three Little Sisters.

Kendall, Sergeant.

2285. Alison.
2286. Venetian Brocade.
2287. Devotion.
2288. Reflection.
2289. Phantasmata.

Kensett, John Frederick.

2290. Rapids: Niagara Falls.
Lent by Robert M. Olyphant, Esq.
2291. In the Adirondacks.
Lent by Robert M. Olyphant, Esq.
2292. Mallett's Bay: Lake Champlain.
Lent by Robert M. Olyphant, Esq.
2293. Autumn Afternoon.
Lent by the National Academy of Design.

Kent, Rockwell.

2294. A Mother and Her Sons.

Kindlund, Anna Belle Wing.

2295. Madeleine Dabo.
2296. Love.
2297. Lady in Black.

King, Charles E.

2298. John O. Calhoun: When Secretary of War.
Lent by Corcoran Gallery of Art.

King, Edith Lawrence.

2299. Nude.
2300. On the Beach: Capri.

King, Paul.

2301. Winter.
2302. Snug Harbor.

Kips, Erich.

2303. Steamer in Dock: Hamburg.

Kirkpatrick, William A.

2304. Pleasing Reflections.

Klein, Lillie V. O'Regan.

2305. Portrait of Sir Wilfred Laurier.
2306. Portrait of William Keith.
2307. Portrait of Mrs. Thomas E. Flynn.
2307A. Portrait of C. E. S. Wood.
2307B. Mrs. Margaret O'Callaghan.

Kneller, Sir Godfrey.

2308. Portrait.
Lent by Albert Rosenthal, Esq.

Knirr, Heinrich.

2309. Self Portrait.

Knox, James.

2310. White Swan.

Kohn, Irma.

2311. St. Ives: Lighthouse on the Pier.
2312. Street in Stratford-on-Avon.

Kopman, Benjamin D.

2313. Portrait of a Young Man.
2314. Plucking a Goose.

Kretzinger, Clara Josephine.

2315. A Thoughtful Moment.

Krimmell, John Lewis.

2316. Fourth of July in Centre Square.
Lent by The Pennsylvania Academy of the Fine Arts.

Kroll, Leon.

2317. River Industries.
2318. Weehawken Terminal.
2319. Lower Manhattan.
2320. Rockport Quarries.

Kronberg, Louis.

2321. Ballet Girl in Green.
2322. Preparing for the Dance.
2323. The Exercise.
2324. The Visitor.

Kyle, Joseph.

2325. Portrait Group.
Lent by Albert Rosenthal, Esq.

La Farge, John.

2326. Woman Centaur.
Lent by the Brooklyn Museum.
2326A. Bishop Berkeley's Rock.
Lent by Charles De Kay, Esq.
2327. Portrait of Richard Hunt.
2328. The Hillside Farm.
2329. Our Boatman.

La Farge, Bancroft.

2330. The Willow.
2331. The Ravine.

Lamb, F. M.

2332. Our New England.
2333. Threatening.

Lambert, John.

- 2333A. Rouge et Noir.
Lent by the Art Club of Philadelphia.

Lambert, Gertrude.

2334. Black and Green.

Lang, Annie Traquair.

2335. From My Window: Venice.
2336. The Gray Kimona.
2337. The Hotels: Venice.
2338. Japanese Print.

Langhorne, Katherine.

2339. Rhode Island Pool.
2340. A Day Last Summer.

Langtry, Mary.

2341. A September Night: Ipswich.
2342. Personally Conducted.

La Touche, Gaston.

2343. The Masquerade Ball: Grand Opera House: Paris.

Lathrop, William Langson.

2344. Coming Storm.
Lent by Mrs. George Ellery Woods.

2345. The Canal.

- Lent by George Coffing Warner.

2346. Golden Afternoon.**2347. A Grey Day.****2348. Landscape.****2349. Summer Afternoon.**

- Lavery, John.**
2350. Portrait.
Lent by Dan Fellows Platt, Esq.
- Lawrence, Sir Thomas.**
2351. Portrait of a Young Woman.
Lent by Albert Rosenthal, Esq.
2352. Lady Margaret, First Daughter of the Earl of Kinnoul.
- Lawson, Ernest.**
2353. Hills at Innwood.
2354. Beginning of Winter.
2355. Hudson River and Palisades.
- Le Brun, Charles.**
2356. The Family of Darius at the Feet of Alexander.
Lent by Art Institute of Chicago.
- Leigh, William Robinson.**
2357. The Stampede.
- Lely, Sir Peter.**
2358. Portrait of a Lady.
Lent by F. Tillmann, Esq.
- Lenbach, Frans von.**
2359. Self Portrait.
Lent by the San Francisco Institute of Art.
2360. Portrait of Mommsen.
Lent by Mrs. Henrietta Ziele.
- Lepine, Stanislas.**
2361. St. Cloud on the Seine.
Lent by Martin A. Ryerson.
2362. River Scene.
Lent by Charles F. Adams.
- Leutze, Emanuel.**
2363. Portrait of Nathaniel Hawthorne.
Lent by Henry Fairfield Osborn.
2364. Columbus Discovering America.
- Lever, Hayley.**
2365. Saint Ives: Summer.
2366. Winter: Harlem River.
2367. Smeaton's Quay: St. Ives.
2368. S. ves Fishing Boats.
2369. Washington Bridge.
- Levy, William Auerbach.**
2373. Normandy Fishermen.
2374. The Draftsman.
- Lewis, Edmund D.**
2375. Upper Delaware River.
- Lewis, Helen V.**
2376. Portrait of C. R. Baxter, Esq.
2377. The Flechu.
2378. An American.
2379. Editha.
2380. Miss Whitelaw.
2381. Miss Lakeman.
2382. Portrait of an Actor.
2383. Miss Madge Kennedy.
2384. Miss H. Draper.
2385. Katherine.
- Lichtenauer, J. Mortimer.**
2386. Study for Shubert Theatre.
2387. Study for Harris Theatre.
- Lie, Jonas.**
2388. Palms in Wind.
2389. Gates at Pedro Miguel.
- Liljestrom, Gustav F.**
2390. Vishnu Temple: Grand Canyon.
- Linde, Ossip L.**
2391. A Gateway in Venice.
2392. Venice.
2393. Steps: Venice.
2394. Chloggia: Venice.
- Lindin, Carl Eric.**
2395. Evening.
- Linford, Charles.**
2396. Landscape: Pennsylvania.
- Lippincott, William Henry.**
2397. Love Finds the Way.
- Little, John Wesley.**
2398. In Devonshire.
2399. A Passing Shower.
- Little, Philip.**
2400. An Upland Meadow.
2401. The Upper Ipswich.
2402. The Making of New Lands.
- Lockman, De Witt M.**
2403. Portrait of Miss D.
- Loeb, Louis.**
2404. The Bud.
Lent by William Scott Bond.
2405. The Peacock.
Lent by Emanuel Loeb, Esq.
- Lökke, Marie.**
2406. Portrait of a Child.
- Londoner, Amy.**
2407. Park Bench.
2408. The Fairy Tale.
2409. Woman in Black.
2410. Trees and Mountains.
2411. The Bathers.
2412. Boardwalk: Atlantic City.
2413. Cripple Creek.
2414. A Strange House.
- Longacre, Lydia Eastwick.**
2415. Portrait of Mr. Gino C. Speranza.
2416. Miss Helene Pupke.
- Lopez-Mezquita, José M.**
2417. Matador.
2418. A Spanish Gipsy.
- Lowdon, Elsie Mota.**
2419. Portrait of D. B. C.
- Loy, Mina.**
2420. Lillah, Gaby and Amarantha.
2421. The Etruscan Loggia.
- Lucas, Jean Williams.**
2422. Man with Ruff.
2423. Mrs. Frederick M. Thomas.
2424. Paddle Cat and Mistress.
2425. Mrs. Alfred Williams Lucas.
2426. Miss Agnes Rogers.
- Ludovici, Alice E.**
2427. Portrait of Miss Ludovici.
- Luini, Bernardo.**
2428. The Angel.
Lent by Dan Fellows Platt.
- Luke, Kathryn Logan.**
2429. The Little French Model.
2430. Portrait of Mrs. Phillip Campbell.
- Luka, George.**
2431. New York Boy.
2432. Children's Page.
2433. Man in Brown.
2434. The Mother.
- Lundborg, Florence.**
2435. Etna in the Afterglow.
2436. Old Fountain: Taormina.
2437. Stone Pines.
- Langren, Fernand.**
2438. In the Abyss: Grand Canyon.
- Lynch, Anna.**
2439. Portrait of Henrietta E. Countiss.
2440. Marion Stanton.
- McCartier, Henry.**
2441. The Spanish Legend.
2442. Lust for Gold.
2443. Yearly Tribute to the King of Tara.
2444. Return from the Foray: Early Ireland.

- McColl, Mary A.**
2445. Reflections.
- McComas, Francis.**
2446. A City of the Desert.
Lent by John Lawson, Esq.
2447. Oaks of the Monte.
2448. Walpi: Arizona.
2449. Pines at Monterey.
2450. Sichomovi: Arizona.
2451. The Red Wagon.
2452. The Navajo Gateway: Arizona.
2453. A Los Olivos Oak Tree.
2454. The Broken Oak.
2455. Mariano.
- McCormick, Howard.**
2458. Hopi Ceremonial.
- McCormick, M. Evelyn.**
2459. Old Custom House: Monterey.
- MacChesney, Clara T.**
2460. A Good Story.
Lent by the National Gallery.
2461. Still Life.
2461A. After the Bath.
- MacDougall, John A.**
2462. Dick.
- MacEwen, Walter.**
2463. Vanity.
2464. Waiting.
2465. In the Studio.
2466. Yes or No.
2467. At the Burgomaster's.
2468. An Interlude.
2469. The Betrothed.
2470. Oldebroeck.
- McFee, Henry Lee.**
2471. Still Life.
- MacGivary, Norwood.**
2472. June in the Forest.
2473. Autumn Idyl.
2474. Nocturne.
2475. The Voices of Dreams.
- McIlhenny, O. Morgan.**
2475A. Gray Morning.
Lent by Samuel T. Shaw, Esq.
- McIntire, Katharine.**
2476. Portrait of a Man.
- McKillop, William.**
2477. Portrait of Robert W. Chanler.
2478. The Letter.
- McLane, M. Jean.**
2479. Brother and Sister: Portraits.
Lent by Arthur H. MacKie.
2480. Group: Mother and Children.
2481. Portrait of Mrs. R. G. Arnold.
- Maccari, Cesare.**
2483. Music Hath Charms.
2484. Fond Memory.
- Mackey, Constance.**
2485. Portrait of Mrs. Frederick Roth.
2486. Roses.
- Mackey, E. Spencer.**
2487. Portrait.
2488. Mother and Child.
2489. Alice.
- Macrum, George E.**
2490. Woolworth Building from West Street.
2491. The Towering City.
- Macseid, Nicholas S.**
2492. Portrait of Julius A. Gross, Esq.
2493. Portrait of Miss Theresa Borman.
2494. Portrait of My Mother.
2495. Portrait of a Boy.
- Mager, Gus.**
2496. Flower Bouquet.
2497. The Laborer.
2498. Tulips and Irises.
- Magonigle, Edith M.**
2499. The Queen of Hearts.
2500. The Secret Garden.
2501. Linet de Maris.
2502. Vice and Virtue.
2503. Louis Ayres, Esq.
2504. Gwendolyn Munroe.
- Majer, Ernest L.**
2506. Blonde in Blue.
- Makowsky, Alexander.**
2506. Profile.
- Malbone, Edward Greene.**
2507. Portrait of Joseph Marx.
Lent by The Pennsylvania Academy of the Fine Arts.
- Manigault, E. Middleton.**
2508. Pastoral.
- Mannheim, Jean.**
2509. On Tuesday.
2510. Frolicking Times.
- Marchant, Edward D.**
2511. Colonel E. D. Baker.
Lent by Dr. Gilbert L. Parker.
- Maria, Matthew.**
2513. Water Color.
Lent by C. E. S. Wood, Esq.
- Mark, Louis.**
2513. Preparing for a Walk.
2514. Before the Mirror.
2515. Lady with Parasol.
2516. Breakfast Table.
- Marr, Carl.**
2516A. Holy Family.
Lent by Mrs. Phoebe A. Hearst.
- Marshall, E. Newell.**
2516B. Parroquet and Peaches.
2516C. Parroquet.
2516D. Parrot and Grapes.
2516E. Parrot and Fruit.
2516F. Parrot.
2516G. Parrot and Anemones.
- Marsh, Alice Randall.**
2517. Michel and Maud Bouvier.
2518. Portrait Sketch of a Russian Girl.
- Marshall, W. E.**
2519. Portrait of A. B. Durand.
Lent by the National Academy of Design.
- Martin, Homer D.**
2520. Saranac Lake: Autumn.
Lent by the Union League Club, New York City.
2521. Newport Neck.
Lent by the Lotos Club.
- Martinez y Orozco, Xavier T.**
2522. Land of Silence.
2523. The Storm.
2523A. Head of a Girl.
- Mason, John.**
2524. On the Road to Killingworth.
2525. Old Cider Mill.
- Mason, Maud M.**
2526. Still Life.

- Mathews, Arthur F.**
 2527. The Carnation.
 2528. Cypress Grove.
 2529. Masque of Pandora.
 2529A. The Butterfly.
 2530. Oaks.
 2530A. Land Fish.
 2530B. California.
 2530C. Eve.
 2531. Monterey Bay.
 2532. The Web.
 2533. The Swan.
 2534. Monterey Hills.
 2535. Portrait.
 2536. Cypress.
 2537. Marine.
 2538. Ghost Story.
- Mathews, Lucia K.**
 2540. Little Girl.
 2541. Monterey Pine.
- Maurer, Alfred.**
 2542. Bal Buller.
 2543. Jeanne.
- Maury, Cornelia F.**
 2544. One Shoe Off.
 2545. The Three Bears Story.
- May, Edward Harrison.**
 2546. The Dying Brigand.
 Lent by The Pennsylvania Academy of the Fine Arts.
 2546A. The Toilet.
- Mayer, Louis.**
 2547. Portrait of Mrs. M.
 2548. Lady with Black Veil.
- Maynard, Richard F.**
 2549. In and Out of an Oval Mirror.
 2550. Reading.
- Mayr, C.**
 2551. Reading the News.
 Lent by the National Academy of Design.
- Massanovich, Laurence.**
 2552. Grey Glow.
- Meakin, Lewis Henry.**
 2553. Kicking Horse River.
 2554. Rockport.
 2555. Rocky Mountain Valley.
 2556. Stormy Day.
- Mears, Helen Farnsworth.**
 2557. Portrait of My Mother.
- Meissonier, Jean Louis Ernest.**
 2558. St. John the Divine.
- Melcher, Bertha Corbett.**
 2559. My Daughter Charlotte.
 2560. A Mountain Lasso.
- Melchers, Gari.**
 2561. Skaters.
 Lent by The Pennsylvania Academy of the Fine Arts.
 2562. The Fencing Master.
 Lent by The Detroit Museum of Art.
 2563. Sailor and His Sweetheart.
 The National Gallery, Freer Collection.
 2564. Mother and Child.
 Lent by James Deering, Esq.
 2565. Morning Room.
 Lent by Dr. George Woodward.
 2566. Portrait Group.
 Lent by Hugo Reisinger Estate.
 2567. The Open Door.
 2568. Girl Sewing.
 2569. Lily Pond.
- Melchers, Gari—(Continued).**
 2570. Madonna of the Fields.
 2571. Young Woman at Toilet.
 2572. Roomful of Color.
 2573. House with Green Gable.
 2574. The Smithy.
 2575. Supper at Emmaus.
 2576. Virginia.
 2577. House on Canal.
 2578. Breakfast Table.
 2579. Maternity.
 2580. Writing.
 2581. The White Church.
- Mendenhall, Emma.**
 2582. Street in St. Ives; Cornwall.
 2583. An English Village.
 2584. Mulberry Street Hill.
 2585. Luxembourg Gardens.
- Menzler, Bertha S.**
 2586. Twilight on the Dunes.
- Merritt, Anna Lea.**
 2586A. Youth.
 2586B. Nymph of Dew.
 2586C. Lure of Fame.
- Meryman, Richard S.**
 2587. Portrait.
- Messer, Edmund Clarence.**
 2588. Blue Ridge.
- Metcalf, Willard L.**
 2589. Salmon River; Norway.
 2590. Early Spring Afternoon: Central Park.
 2591. Winter's Festival.
 2592. Blossom Time.
 2593. Trembling Leaves.
 2594. October Afternoon.
 2595. Cherry Blossoms.
- Metting, Louis.**
 2596. Bust Portrait.
 Lent by C. E. S. Wood.
- Meyn, George Ludwig.**
 2597. Frau v. Cotta.
- Michel, G.**
 2598. View from Montmartre.
 Lent by I. N. Fleishner, Esq.
- Mielziner, Leo.**
 2599. Mrs. Herbert Baer.
 2600. Mr. Philip Conway Sawyer.
 2601. Character Head.
 2602. Mr. Gustave Pollak.
 2602A. A Profile in Silver Point.
- Millar, Addison T.**
 2603. Storm Warning.
- Miller, Kenneth Hayes.**
 2604. The Cloud.
 2605. The Swan.
- Miller, Richard B.**
 2606. The Visit.
 2607. Nude.
- Millet, Jean Francois.**
 2608. Mercury Stealing the Oxen of Argus.
 Lent by A. O. Balch, Esq.
- Mills, J. Harrison.**
 2609. Portrait of Charles W. Couldock, the Actor.
 Lent by the Buffalo Fine Arts Academy.
- Milne, David.**
 2610. Broken Color.
 2611. Dots and Dashes.
 2612. Bronx Snow.
 2613. Tricolor.
 2614. Black and White No. 1.
 2615. Black and White No. 2.
 2616. Interior New York Public Library.

- Mitchell, Arthur.**
2617. Close of a November Day.
- Mitchell, Eleanor B.**
2618. Cleaning the Fish.
2619. Portrait.
2620. Portrait.
2621. Study of Lamplight.
- Mitchell, Laura M. D.**
2622. Old Fashioned Girl.
2623. My Grandmother.
2624. Margaret.
2625. Study in Miniature.
2626. Boy with Black Hat.
- Moeller, Selma M. D.**
2627. Portrait.
2628. Annette.
2629. Miss Stein.
- Molarsky, Morris.**
2630. Reflections.
- Monet, Claude.**
2631. Bateaux echoués, Fecamp.
2632. Meule coucher de soleil.
2633. La Seine à Portvillers.
2634. Vetheuil.
2635. Les nymphéas, paysage d'eau.
2636. Le Havre: terrasse au bord de la mer.
2637. La promenade dans les prairies à Argenteuil.
- Monges, Henry B.**
2638. Sunset.
- Monticelli, Adolphe.**
2639. Nymphs Bathing.
Lent by O. E. S. Wood, Esq.
2640. Fete Champetre.
Lent by A. O. Balch, Esq.
2641. The White Horse.
Lent by H. O. Wortman, Esq.
- Montizambert, Beatrice.**
2642. Blue, Green, Gold.
2643. Orange Tulips.
- Mooney, Edward.**
2644. Achmet Ben Amar.
Lent by the City of New York.
- Mora, F. Luis.**
2645. Vacation Time.
2646. Spanish Fair in the Time of Goya.
2647. Black, Grey and Rose.
2648. The Fortune Teller.
- Moran, Edward.**
2649. Brush Burning.
Lent by the Buffalo Fine Arts Academy.
- Moran, Peter.**
2650. Water Bearer: San Juan.
2651. Pueblo of Zia.
2652. September Haze.
- Moran, Thomas.**
2653. A California Forest.
- Morse, Samuel F. B.**
2654. Wm. Paulding.
Lent by the City of New York.
2655. Portrait of William Cullen Bryant.
Lent by the National Academy of Design.
2656. Portrait: Mrs. David Olyphant.
Lent by Robert M. Olyphant, Esq.
- Morse, James Henry.**
2657. November Sunset: Canaan Mountain.
2658. Showery Weather: Adirondacks.
2659. October in Cornwall.
2660. Pond Hill in October.
2661. Fog Lifting.
2662. Overlook Mountain: Catskills.
- Mount, William Sidney.**
2663. The Painter's Triumph.
Lent by The Pennsylvania Academy of the Fine Arts.
2664. Flowers.
2665. Portrait of President Van Buren.
- Muhrman, Henry.**
2665A. Boy with White Coat.
2665B. Chrysanthemums.
2665C. Town and Sky.
2665D. Sunset.
2665E. Autumn Landscape with Children.
2665F. Garden Flowers.
2665G. Flower Vendor.
2665H. Highgate.
2665I. The Barge.
- Muller, Peter Paul.**
2666. Thousand Year Old Oaks.
- Muller, Richard.**
2667. Leimer's Goat.
- Mundy, Ethel Frances.**
2668. Margaret Mundy.
2669. Sally Cameron.
2670. Miss Ruth Wales.
2671. Mr. F. A. Saunders.
- Mura, Frank.**
2671A. On the Downs.
2671B. The Old Malt House.
2671C. Street in Warwick: Winter.
2671D. Cottages in Warwick.
2671E. Brewers' Draymen.
2671F. Below London Bridge.
2671G. Market Carts.
2671H. Castle Wall: Warwick.
2671I. Washerwomen.
2671J. Barges in Tow.
2671K. Cloudy Day on the Thames.
- Murphy, Ada Clifford.**
2672. Sweet Apples.
- Murphy, Caroline Bowles.**
2673. A Cloud.
2674. In the Azores.
2675. Hot Springs.
- Murphy, J. Francis.**
2676. Frostbitten Wood and Field.
- Murphy, Hermann Dudley.**
2677. The Sails.
2678. The Yellow Palace.
2679. Morro Castle: San Juan.
2680. The Green Door.
2681. The Salute.
2682. Fireworks.
2683. Wind.
2684. Venetian Brocade.
2685. In the Azores.
2686. Rio San Antonio.
- Murray, Grace H.**
2687. Portrait of Mrs. H. L. W.
2688. Miniature Study.
- Myrick, Katharine.**
2689. Study.
- Nahl, Perham W.**
2690. Despair.
- Neagle, John.**
2691. Junius Brutus Booth.
Lent by Albert Rosenthal, Esq.
- Nelson, Raymond F. E.**
2692. A Glass of Wine.
2693. The Hand Glass.
2694. A String of Beads.
- Nell, Tony.**
2695. Floating Feather.
2696. Study in Black.
2697. Paper Ladies.

- Nelson, Bruce.**
 2698. Along the Shore.
 2699. The Summer Sea.
 2700. The Golden Shore.
 2701. Sea and Sky.
- Nettleton, Walter.**
 2702. When Sleeping Winter Dreams of Summer Skies.
- Neuhaus, Eugen.**
 2703. A Corner of Lake Merced.
 2704. Monterey Dunes.
 2705. Plowing at Ingleside.
 2706. Eucalypti at Berkeley Hills.
 2707. Cliffs at Westport.
 2708. Helvetia Cemetery.
- Newell, Peter.**
 2709. My Daughter.
 2710. Portrait of Miss G.
- Nicholls, Rhoda Holmes.**
 2711. 1860.
- Nichols, Hobart.**
 2712. The Knob: Maine.
- Nisbet, Robert H.**
 2713. The Emerald Robe.
- Noble, John.**
 2713A. Toilers of the Sea.
 2713B. Paris Plage.
- Noble, T. S.**
 2714. The Polish Exile.
- Nordell, Carl J.**
 2715. The Hostess.
 2716. The Chinese Beads.
 2717. The Listeners.
 2718. The Pink Scarf.
- Norman, Mabel.**
 2719. Maestro Alessandro.
 2720. Maestro Alessandro: Profile.
 2721. Portrait of Mr. Charles H. Hapgood.
 2722. Portrait of Mrs. Helene Anderson.
 2723. Portrait of Dr. George Cerio.
 2724. Matilde.
 2725. Portrait of Mrs. Wm. R. Hunter.
- Northcote, James.**
 2726. Self Portrait.
- Nourse, Elizabeth.**
 2727. Summer.
- Noyes, George L.**
 2728. Spring Morning: Medfield.
 2729. Mount Lafayette.
 2730. Late Autumn.
- Nunn, Frederic.**
 2731. Harbor in Winter.
 2732. Sand and Sea.
 2733. A Seaside Roost.
- Oakley, Thornton.**
 2734. Bullock Cart: Rajputana.
 2735. Fakir.
 2736. The Guard of the Maharajah.
 2737. Rajputana.
 2738. Water Buffalo.
 2739. Shinto Pilgrim.
 2740. Fisherman.
 2741. Faggot Gatherer.
 2742. Peasant Woman.
- Oakley, Violet.**
 2743. The Tragic Muse.
 Lent by Edward H. Coates, Esq.
 2744. The Divine Comedy of Dante.
 Lent by Robert J. Collier, Esq.
- Ochtman, Leonard.**
 2745. The Brook in Spring.
 2746. Winter Morning: Mianus River.
- Olinsky, Ivan G.**
 2747. Two Girls.
- Oliver, Jean Nutting.**
 2748. Master Aldrich.
 2749. The Shade Hat.
- Olson, Albert Byron.**
 2750. Ballet.
 2752. Still Life.
 2753. Decoration: The Three Sisters.
 2753A. Ballet.
- Olson, Joseph Oliver.**
 2754. The Landscape Glass.
- O'Lynch, Charles.**
 2755. Zugsbits Group from Kransber, near Mittenwald.
- Otis, Amy.**
 2756. Portrait of an Artist.
 2757. A College Girl.
- Otis, Bass.**
 2758. Portrait of Mrs. Cromwell.
 Lent by Thomas C. Corner, Esq.
- Packard, Mabel.**
 2759. Study of a Head.
 2760. Portrait: Miss P.
- Paddock, Ethel Louise.**
 2761. Red Haired Girl.
 2762. Night.
- Paddock, Josephine.**
 2763. The Blue Feather.
 2764. Two Girls.
 2765. Miss M. and a Parrot.
 2766. Youth.
 2767. Black Cap.
- Page, Marie Danforth.**
 2768. Tommy.
 2769. Dressing Genevieve.
 2770. Portrait of Anna Coleman Ladd.
- Page, William.**
 2771. Mother and Child.
 Lent by The Pennsylvania Academy of the Fine Arts.
- Pages, Jules.**
 2772. On the Quais: Paris.
- Palmer, Pauline.**
 2773. The Ledge.
- Pancoast, Morris Hall.**
 2774. Afternoon Tomkinville.
- Palce, Philip Stuart.**
 2775. Me and Pussy.
- Pape, Eric.**
 2776. The Mexican Dance.
 2777. Edith Wynne Mathison as Hermione.
 2778. Mrs. John Hayes Hammond.
- Paradise, John W.**
 2779. Portrait.
 Lent by Albert Rosenthal, Esq.
- Parker, Lawton.**
 2780. Paresse.
 2781. Portrait of Mrs. Ray Atherton.
 2782. An English Girl.
- Parrish, Clara Weaver.**
 2783. The Worshipper.
- Parrish, Stephen.**
 2784. Winter Sunset: Cape Cod.
- Parshall, De Witt.**
 2785. The Hermit Creek Canyon.
 2786. Great Abyss.
- Partington, Gertrude.**
 2787. Portrait of Mrs. Jack Allan Partington.

- Partington, J. H. E.
2788. The Old Bellman.
Lent by R. L. Partington, Esq.
- Pattas, Elsie Dodge.
2789. At the Window.
2790. The Little Embroiderer.
2791. The Pink Scarf.
2792. The Yellow Book.
- Patterson, Margaret.
2793. Basque Fishing Boats.
- Patterson, Rebecca Burd Peale.
2794. George, Jr.
- Paxson, Martha K. D.
2795. Muriel S.
- Paxton, Elizabeth Okie.
2796. In the Morning.
- Paxton, William McGregor.
2797. Portrait of James Paxton.
2798. The Housemaid.
2799. Glow of Gold and Gleam of Pearl.
2800. Daylight and Lamplight.
2801. Breakfast.
2802. Bellissima.
2803. Woman and Baby.
- Payne, Edgar.
2804. Infinitude.
- Peale, Charles Willson.
2805. Portrait of Colonel Charles Pettit, Washington's Quartermaster General.
Lent by Mrs. Seth C. Hetherington.
- Peale, J. S.
2806. The Pet.
Lent by the National Academy of Design.
- Peale, James.
2807. Portrait of Reuben Etting.
Lent by The Pennsylvania Academy of the Fine Arts.
2808. Anna and Margaretta Peale.
Lent by The Pennsylvania Academy of the Fine Arts.
2809. Portrait of Frances Gratz Etting.
Lent by The Pennsylvania Academy of the Fine Arts.
- Peale, Rembrandt.
2810. George Taylor.
Lent by the Brooklyn Museum.
2811. Henry Robinson.
- Pearce, Charles Sprague.
2812. The Beheading of John the Baptist.
Lent by Art Institute of Chicago.
- Pearson, Joseph T.
2813. Ducks in a Marsh.
2814. Fox and Geese.
- Peiouse, Leon Germain.
2815. Landscape.
Lent by Albert Rosenthal, Esq.
- Pennoyer, Sheldon F.
2816. Trinket Vendor: Frascati.
2817. Market Scene: Frascati.
- Peper, Meta A.
2818. Portrait of Young Man.
2819. Portrait of Christine Peper.
- Perard, Victor S.
2820. Brooklyn Bridge.
- Perry, Isabella G.
2821. Interior of Mission: San Juan.
- Perria, Bertha E.
2822. An English Garden.
2823. A Brittany Peasant Girl.
- Perrine, Van.
2824. Children of the Wind.
- Perry, Lilla Cabot.
2825. My Lamb.
2826. A Fairy Tale.
2827. Hildegard.
2828. Open Air Concert.
- Peterson, Jane.
2829. Low Tide.
2830. Old Morlaix.
2831. Rapids Above Niagara.
2832. Sunlight and Shadow: Venice.
2833. Old Venice.
- Peyraud, Frank C.
2834. October.
2835. Summer Evening.
- Pfeiffen, Justus.
2836. Central Park.
- Phillips, Caroline King.
2837. Mrs. W. S. Burgess.
2838. Miss Carol S. Johnson.
2839. Graham Newell Fitch.
2840. Miss Elizabeth Johnson.
2841. Colonel Graham Denby Fitch.
- Piassotta, G. B.
2842. Portrait of a Girl.
Lent by Dan Fellows Platt.
2843. Portrait of a Boy.
Lent by Dan Fellows Platt.
- Piassoni, Gottardo, F. P.
2844. The End of the Day.
2845. Lux Aeterna.
- Pierce, Lucy V.
2846. Carmel Landscape.
- Pietzsch, Richard.
2847. Spring in the Bavarian Foothills.
- Pine, Robert Edge.
2848. Portrait: General Henry Lee.
Lent by John Frederick Lewis.
- Pissarro, Camille.
2849. The Orchard.
Lent by Martin A. Ryerson.
2850. Village aux environs de Mantes.
2851. Le Jardin du presbytere a Knoch.
- Pooka, Marion L.
2852. The Wall Flower.
2853. Silhouettes.
2854. Donna Italiana.
- Poor, Henry Varnum.
2855. The Orchardist and His Family.
2856. Baby's Toilet.
- Poore, Henry B.
2857. Twilight on the Moor.
2858. New England Winter.
- Potthast, Edward Henry
2859. Kiddies.
2860. A July Day.
2861. In the Surf.
2862. A Holiday.
2863. The Seaside.
2864. Splashing.
2865. Peace and Quiet.
2866. A Rift in the Clouds.
2867. The Illcilewaet Glacier.
- Powell, Arthur J. B.
2868. Bronx Kills.
- Powers, Marion.
2869. Encore.
2870. The Bouquet.
2871. A Tea Party.

Pratt, Matthew.

2872. Portrait of Benjamin West.
Lent by The Pennsylvania
Academy of the Fine Arts.

Preisler, Jam.

2873. Motive of Tale.

Prendergast, Maurice B.

2874. The Sea.
2875. Canal: Venice.
2876. The Rocks.
2877. Salute: Venice.
2878. Under the Trees.
2879. The Beach.

Preston, James.

2880. Mamburg: Bavaria.
2881. Regensburg: Bavaria.
2882. Landscape.
2883. Paris. No. 1.
2884. Paris. No. 2.
2885. Paris. No. 3.
2886. Paris. No. 4.
2887. Paris: No. 5: Cafe.
2888. Paris. No. 6.
2889. Paris. No. 7.
2890. Paris. No. 8.
2891. Paris. No. 9.

Preston, May Wilson.

2892. Drawing. No. 1.
2893. Drawing. No. 2.
2894. Drawing. No. 3.
2895. Drawing. No. 4.
2896. Drawing. No. 5.
2897. Drawing. No. 6.

Price, Eugenia.

2898. The Spirit of Autumn.
2899. Portrait: Mary Angell.

Purdie, Evelyn.

2900. Young Girl in Blue.
2901. An Old Woman.
2902. Mrs. Oakley.
2903. Miss Rice.
2904. Portrait of Nancy.

Purefoy, Heslope.

2905. Jeanette.
2906. Portrait Study.
2907. Miss Clark.

Puthuff, Hanson.

2908. Home of the Ranger.
2909. Gray Day in Summer.

Putz, Leo.

2910. The Shore.

Pyle, Howard.

2911. Fight in Forest.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911A Burning Ship.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911B Thomas Jefferson.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911C Meeting of Green and Gates.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911D Battle of Bunker Hill.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911E Fleur-de-lis.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911F Second Class Passenger.
Lent by The Wilmington Soci-
ety of the Fine Arts.

Pyle, Howard.—(Continued).

- 2911G Captain Kidd.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911H Battle of Yorktown.
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2911I Loot.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911J Girl with Silver Veil.
Lent by The Wilmington Soci-
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2911K Suicide.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911L The Artist.
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2911M Fair Suppliant.
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ety of the Fine Arts.
2911N Inauguration of Washington.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911O The Tory.
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ety of the Fine Arts.
2911P Atlas and Hercules.
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ety of the Fine Arts.
2911Q Flying Dutchman.
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ety of the Fine Arts.
2911R The Spies.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911S Lord of the Earth.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911T Sack of Carthage.
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ety of the Fine Arts.
2911U The Buccaneers.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911V Dividing the Treasure.
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ety of the Fine Arts.
2911W Spanish Dancer.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911X Battle of Germantown.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911Y The Diplomats.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2911Z La Salle Before Louis XIV.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2912. Magic Harper.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2912A 51 Pen and Ink Drawings.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2912B The Galleon.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2912C Pastoral Without Words.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2912D Modern Sindbad.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2912E Evacuation of Charleston.
Lent by The Wilmington Soci-
ety of the Fine Arts.
2912F Lexington.
Lent by The Wilmington Soci-
ety of the Fine Arts.

Pyle, Howard—(Continued).

- 2912G Washington's Retreat.
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2912H By Land and Sea (8 pictures).
Lent by The Wilmington Society of the Fine Arts.
2912I Grasshopper and Ant.
Lent by The Wilmington Society of the Fine Arts.

Puvion de Chavannes, Pierre.

- 2913A. A Vision of Antiquity: Symbol of Form.
Lent by Carnegie Institute.

Quartley, Arthur.

- 2913B. A Breezy Day off Canonicut.
Lent by Mrs. Josiah Jewett.

Quinlan, Will J.

- 2913C. Mt. Rainier from Pinnacle Peak.

Raditz, Lazar.

2914. Self Portrait.

Raeburn, Sir Henry.

2915. John Wauchope.
Lent by Albert Rosenthal, Esq.

Ramsey, Allan.

2916. Hon. Mary Lillian Scott.

Ramsey, Charles F.

2917. A Garden.

Rand, Ellen Emmet.

2918. Professor William James.
2919. Grenville.
2920. Madam M. P. T.
2921. In the Studio.
2922. Singing.

Randolph, Lee.

2923. White Cosmos.
2924. Avignon: France.
2925. Winter: Northern France.
2926. The Grape Vine.

Raphael, Joseph.

2927. In Holland.
2928. Spring Winds.
2929. Belgian Farm.
2930. Environs of Brussels.
2931. Tulp Fields.
2932. Market Day on the Canal.

Ravlin, Grace.

2933. Gate of the Grand Soko: Tangiers.
2934. To the Cemetery: Venice.
2935. Great Market: Grand Tangiers.
Soko.
2936. Evening: Market Place: Tangiers.

Redfield, Edward W.

2937. Road to the Village.
Lent by the Cincinnati Museum Association.
2938. Foothills of the Blue Ridge.
Lent by Frederick H. Gottlieb.
2939. The Breaking of Winter.
2940. On the River Banks.
2941. The Quarry Road.
2942. A Village in France.
2943. Cedar Hill.
2944. The Hills and River.
2945. Garden by the River.
2946. In the Clearing.
2947. Overlooking the Valley.
2948. The Briar Patch.
2949. The Green Sleigh.
2950. In the Woods.
2951. The Woodland Brook.
2952. The Road in Summer.
2953. Rhododendrons.
2954. In the Garden.
2955. The Coast of France.

Redfield, Edward W.—(Continued).

2956. The English Channel.
2957. Autumn.
2958. In the Village.
2959. On the Delaware River.
2960. In New York Harbor.
2961. Between Daylight and Darkness:
New York City.
2962. Equihen: France.

Redfield, H  lo  se Guillou.

2963. Mrs. A. Lesley.
2964. Mr. Martin Mower.
2965. Miss A.
2966. Lady with Furs.
2967. Robert S. Redfield.
2968. Mme. Alcide Berthier.
2969. Portrait of a Child.

Redmond, Granville.

2970. Solitude.
2971. Lifting Fog.

Rehn, Frank K. M.

2972. Where the Waves Sweep.

Reid, Jean Arnot.

2973. Portrait of Lloyd Williams, Esq.
2974. Cecelia.
2975. Belle of 1861.

Reid, Robert.

2976. The Japanese Screen.
Lent by Spencer Kellogg, Jr.
2977. The Gold Fish.
2978. Autumn.

Reifel, Charles.

2979. Silvermine Valley.

Remington, Frederic.

2980. Apache Fire-Signal.
Lent by Henry Smith, Esq.
2981. The Love Call.
Lent by William A. Paine, Esq.

Beni, Guido.

2982. St. Sebastian.
Lent by William Berg, Esq.
2983. Mary Magdalene.
Lent by Dr. Thomas H. Winslow.

Renoir, Pierre Auguste.

2984. Promenade au bord de la mer.
2985. Fleurs et fruits.
2986. Deux femmes assises.
2987. Dans le jardin.

Reuterdahl, Henry.

2988. Hudson in Winter.
2989. Skyscrapers.
2990. The Shipbuilders.
2991. Palisades: Spring.

Reynolds, Sir Joshua.

2992. Lady Ballington.
Lent by C. E. S. Wood, Esq.
2993. John Thomas, Bishop of Rochester.
Lent by Mrs. Reginald Smith.

Ribera, Giuseppe de, Called Spagnoletto.

2994. St. Jerome.
Lent by Albert Rosenthal, Esq.
2995. St. Jerome's Last Prayer.
Lent by Dr. Gilbert L. Parker.

Rich, John Hubbard.

2996. The Blue Kimona.

Richards, Lee Greene.

2997. A Man in a Cloak.

Richards, William T.

2998. Old Ocean's Grey and Melancholy Waste.
Lent by Edward H. Coates, Esq.
2999. Marine.
Lent by F. Tillmann, Esq.

- Richardson, Mary Curtis.**
 3000. The Young Mother.
 3001. The Sleeping Child.
 3002. Portrait of Professor Paget.
 3003. Undine.
- Richmond, Agnes M.**
 3004. Mending.
- Rimmer, William.**
 3005. Angel in the Garden.
 Lent by Miss Caroline Hunt Rimmer.
 3006. At the Window.
 Lent by Miss Caroline Hunt Rimmer.
- Ring, Alice Blair.**
 3007. Miniature No. 1.
 3008. Miniature No. 2.
 3009. Miniature No. 3.
- Ritschel, William.**
 3010. Tide Pool: Carmel.
 3011. Summer Night: Point Lobos.
 3012. Fog and Breakers: Carmel.
 3013. Blue Depths: Carmel.
 3014. In the Shadow of the Cliffs: Monterey.
- Rittenberg, Henry B.**
 3015. Still Life.
- Rittman, L.**
 3016. Early Morning in a Garden.
 3017. Breakfast.
- Roberts, Alice Mumford.**
 3018. The Laughing Girl.
 3019. Red Peppers.
 3020. Two Vaudeville Stars.
- Robinson, Alexander.**
 3021. Market: Tetuan: Morocco.
 3022. Arab Girls.
 3023. Arrival of the Feluccas: Spanish Coast.
 3024. Tangler.
 3025. Hadl Ben Hassan of Bagdad.
 3026. Damascus Tale: The Incredible Mula oes.
 3027. The Daughter of the Khalif: Design in Red and Gold.
 3028. Persian Romance: The Mockers.
- Robinson, Boardman.**
 3029. Louvain.
 3030. Disease in the Wake of War: Balkans, '12.
 3031. Viva What's His Name: Mexico, '12.
 3032. T. R. in Old Madrid.
- Robinson, Theodore.**
 3033. Day Dreams.
 Lent by the Carnegie Institute.
 3034. Le Val Arconville: Eure.
 Lent by the Hillyer Art Gallery, Smith College.
 3035. Port Ben.
 Lent by the Pennsylvania Academy of Fine Arts.
 3036. Peeling Apples.
 Lent by Samuel T. Shaw, Esq.
 3037. In the Sun.
 Lent by Samuel T. Shaw, Esq.
 3038. Garden at Giverny.
 Lent by Samuel T. Shaw, Esq.
 3039. On the Canal.
 Lent by Samuel T. Shaw, Esq.
 3040. Normandy Mother.
 Lent by Samuel T. Shaw, Esq.
 3041. The Faggot Gatherer.
- Robinson, Thomas.**
 3042. Bull's Head.
- Robinson, Will S.**
 3043. Laurel Blossoms.
 3044. Group of White Birches.
 3045. June Idyl.
- Roecker, Henry Leon.**
 3046. Calves Resting.
- Rogers, Franklin W.**
 3047. The Siesta.
- Rogers, Gretchen W.**
 3048. Still Life.
 3049. Fur Hat.
 3050. Girl with a Book.
 3051. Young Girl.
- Rogers, Mary.**
 3052. Anna.
 3053. The Red Hair.
- Rolshoven, Julius.**
 3054. The Refectory of San Damiano: Assisi.
 Lent by Art Museum of Detroit.
- Romney, George.**
 3055. Portrait of Mrs. Milles.
 Lent by Henry E. Huntington.
 3056. Portrait of Mr. Milles.
 Lent by Henry E. Huntington.
- Rook, Edward F.**
 3058. Dish of Fruit.
 3059. Laurel.
 3060. Snow: Ice and Foam.
- Rose, Guy.**
 3061. The Backwater.
 3062. November Twilight.
- Rosen, Charles.**
 3063. Winter Morning: Maine Coast.
 3064. The Delaware: Winter Morning.
 3065. Floating Ice: Early Morning.
- Rosenthal, Albert.**
 3066. Dr. J. Cheston Morris.
 Lent by Laurence Johnson Morris, Esq.
 3067. The Millinery.
 3068. Helene.
 3069. Mrs. Albert Rosenthal.
 3070. Alberta Uhle-Smith.
- Roth, Ernest D.**
 3071. A Winter Landscape.
- Rothermel, Peter Frederick.**
 3072. Bacchanal.
 Lent by the Art Club of Philadelphia.
 3073. Martyrdom of St. Agnes.
 Lent by Mrs. William H. Fox.
 3074. Battle of Gettysburg.
 Lent by Albert Rosenthal, Esq.
 3075. Sleeping Cupid.
 Lent by Albert Rosenthal, Esq.
- Roulard, Orlando.**
 3076. Portrait of John Burroughs.
- Rousseau, Theodore.**
 3077. Landscape.
 3078. Crepuscule.
- Rungius, Carl.**
 3079. Canadian Rockies.
 3080. On Wilcox Pass.
- Ryder, Albert P.**
 3081. Jonah.
 Lent by C. E. S. Wood, Esq.
- Ryden, Henning.**
 3082. Return of the Boats.
- Ryder, Chauncey F.**
 3083. The Ox Team.
- Sacks, Joseph.**
 3084. In Street Costume.

- Saint Gaudens, Carlota.**
3085. Study in Red.
3086. Portrait: Mary Shipman.
- St. Memin, F  vret de.**
3087. Drawing.
Lent by Albert Rosenthal, Esq.
- Sandor, Mathias.**
3088. The Pueblo of Walpi.
- Sandona, Matteo.**
3089. Studies of Miss H. M. Sullivan.
3090. Portrait of Mrs. Leo Lentelli.
- Sandzen, Sven Birger.**
3091. The Granite Cathedral.
- Sargent, Geneve Rixford.**
3092. Floating Clouds.
- Sargent, Florence.**
3092A. Panel.
3092B. Panel.
3092C. Panel.
3092D. Panel.
- Sargent, John Singer.**
3093. Hon. John Hay.
Lent by Clarence Hay, Esq.
3093A. Mrs. J. William White.
Lent by Dr. J. William White.
3094. Spanish Courtyard.
Lent by Louis B. McCagg, Esq.
3095. Spanish Gypsy.
Lent by Louis B. McCagg, Esq.
3096. Madam Gautrin.
3097. Nude Study.
3098. Portrait of Henry James, Esq.
3099. Rose Marie.
3100. Sketch of Joseph Jefferson, Esq.
3101. Reconnoitring.
3102. Syrian Goats.
3103. Spanish Stable.
- Sartain, William.**
3118. Jersey Sand Dunes.
3119. Along the Stream.
3120. Along the Loing.
- Sauter, G.**
3121. Resurrection.
3122. Spring Veil.
3123. The Avenue.
3124. Spring: A Little Violet.
3125. Sphinx.
3126. Great Friend.
3127. Valley.
3128. Clouds.
3129. Weishorn.
3130. Rothorn.
3131. Dent Blanche.
3132. Rimpfischhorn.
- Sawyer, Edith.**
3133. Miss Katherine Ecob.
3134. Mrs. Andrew Sawyer.
3135. Freddy.
- Sawyer, Myra L.**
3136. In a White Cap.
3137. Portrait of an Old Man.
- Saxton, John Gordon.**
3138. Midwinter.
- Schanne, Oscar.**
3139. Portrait of Woman in Black.
- Schille, Alice.**
3140. The Other Side of the Circus Wagon.
3141. Saturday Morning.
3142. St. Germain-des-Pr  s.
3142. The Pig Market.
3144. The Passing Years.
3145. The Gardener's Cottage.
- van Schlegel, Gustav.**
3145A. Postano: Lemon Vine.
- Schmauss, Peter.**
3146. Easter.
- Schmidt, Karl.**
3147. The Great Pacific.
- Schmitt, Albert Felix.**
3148. In Wonderland.
3149. Peddlers at Gibraltar.
3150. Blue and Gold.
3151. On the River Bank.
- Schofield, W. Elmer.**
3152. Waterfall.
3153. The Hilltop.
- Schoonover, Frank B.**
3154. The Trail of the North.
3155. The Fur Brigade.
- Schook, F. de Forrest.**
3156. Sunshine and Shadow.
- Schreyer, Adolph.**
3157. A Moorish Chieftain.
Lent by Henry Smith, Esq.
- Schultheiss, Karl Max.**
3158. In March.
- Schuessels, Christian.**
3159. Dr. Benjamin Franklin Before the Privy Council in London, January 29, 1773.
Lent by Joseph T. Kinsley, Esq.
- Schuster, Donna.**
3160. Construction Work Beneath the Tower of Jewels.
3161. Concert in the Court of the Four Seasons.
3162. Construction Work to the South of the Tower of Jewels.
- Schwartz, Andrew Thomas.**
3163. In Vermont.
3164. Destiny: Hope: Despair.
3165. Ice Floe.
- Searle, Alice T.**
3166. Leslie Hall.
- Sears, Sarah Choate.**
3167. Hibiscus: Bermuda.
3168. Pigeon Berries: Bermuda.
3169. Morning Glories: Bermuda.
- Sears, Taber.**
3170. The Arab Merchant.
3171. Harbor of St. George.
3172. Bridge of the Canonica: Venice.
3173. York Cathedral.
- Seawall, Harry W.**
3174. Interior.
- Segna di Bonaventura.**
3175. Madonna.
Lent by Dan Fellows Platt, Esq.
- Selden, Dixie.**
3176. Bunker's Hill, St. Ives.
- Selden, Henry Bill.**
3177. October Morning.
3178. Cloudy Morning.
- Seyffert, Leopold.**
3179. Juan.
3180. Julian.
3181. Spanish Peasants.
3182. Tired Out.
- Sharp, Joseph Henry.**
3183. Crucita: Taos Indian Girl.
- Sharplea, James.**
3184. Portrait.
Lent by Albert Rosenthal, Esq.
- Shaw, Sydney Dale.**
3185. Woodland Fete.
3186. Southwestern Summer.
3187. Nature's Screen.

Shepard, Clara.

- 3188. The Pale Flower.
- 3189. Bertha.
- 3190. Miss Flisken.
- 3191. Mary.
- 3192. Kathleen.
- 3193. The Golden Girl.
- 3194. Daphne.
- 3195. Suzanne.
- 3196. Howard.
- 3197. Mrs. C.
- 3198. David.
- 3199. J. B.
- 3200. Betrothed of the Raven.

Shinn, Everett.

- 3201. Going to the Fire.
- 3202. Stage.
- 3203. The Shop Window.
- 3204. The Yellow Dancer.
- 3205. The Funny Man.
- 3206. Waiting.
- 3207. 18th Century. (Red Chalk.)
- 3208. Red Chalk. No. 1.
- 3209. Red Chalk. No. 2.

Shirlaw, Walter.

- 3210. Toning of the Bell.
Lent by Mark S. Willing, Esq.

Shore, Henrietta M.

- 3211. Sisters.

Shuttleworth, Claire.

- 3212. A Small Boy.

Siboni, Emma B.

- 3213. Little Miss Mary Armes.

Simons, Marcus.

- 3214. The Classic Land.

Simpson, Edna Huestis.

- 3215. Mrs. Mortimer Anstice.
- 3216. Outdoor Sketch.
- 3217. The Green Gown.
- 3218. The Pool.
- 3219. Mrs. Frank Laurence Stiles.

Singer, W. H.

- 3220. In My Garden.

Slaley, Alfred.

- 3221. Landscape.
Lent by Martin A. Ryerson.
- 3222. Avenue of Poplars: Moret.
- 3223. St. Mammès.

Sloan, John.

- 3224. Gloucester Harbor.
- 3225. Renganeschis: Sunday Night.
- 3226. McSorley's Old Ale-House.
- 3227. Woman on Roof.
- 3228. Return from Toil.
- 3229. Girl Undressing.
- 3230. At the Top of the Swing.

Smilie, George H.

- 3231. In the Berkshires.
Lent by the Lotus Club.

Smith, Charles L. A.

- 3232. The Retreating Light.

Smith, George Washington.

- 3232A. Eucalyptus Trees.

Smith, Howard Everett.

- 3233. Portrait of a Venetian Girl.
- 3234. The Convalescent.

Smith, Jessie Wilcox.

- 3235. Snow White and the Seven
Dwarfs.
- 3236. Jack and the Bean Stalk.
- 3237. Cinderella.
- 3238. Babes in the Wood.
- 3239. Little Red Riding Hood.

Smith, May Mott.

- 3240. Portrait of a Woman.
Miniature.
- 3241. Sea Foam.

Smith, Rosamond L.

- 3243. Cinderella.
- 3244. Heirlooms.

Snead, Louise Willis.

- 3245. Young Violinist.
- 3246. Portrait.
- 3247. Portrait of Miss Snead.

Snell, Florence F.

- 3248. A Gate of Rothenburg.
- 3249. Cottages on the Cliff: Polpérro.
- 3250. Roadside: St. Jean du Doigt.
- 3251. Street in Rothenburg.

Snell, Henry B.

- 3252. Low Tide.
- 3253. The Cargo Boat.
- 3254. Twilight at Sea.
- 3255. The Passing Steamer.
- 3256. Still Life.
- 3257. The Quay: Paris.
- 3258. The Cove.
- 3259. The Devon Coast.
- 3260. The Lighthouse by Moonlight.

Solier, Alice Ruggles.

- 3261. Giovanna.
- 3262. Reminiscence.

Sotter, George W.

- 3263. Valley in Snow.
- 3264. Moonlight: Gloucester Harbor.
- 3265. Snow-bound Hills: Pittsburg.
- 3266. In Gloucester Harbor.
Lent by William Smith Stim-
mel, Esq.

Souder, Mary Binard.

- 3267. Portrait of a Girl.
- 3268. Portrait of a Girl.

Spaeth, Mary Haughton.

- 3269. Penelope Roberts.

Spanish School.

- 3270. Portrait of a Man.
Lent by Martin A. Ryerson.

Sparks, Arthur W.

- 3271. Midsummer Day.
- 3272. Mills at Rankin.

Spear, Arthur P.

- 3273. Spring in the City.

Speicher, Eugene E.

- 3274. Portrait of John Nelson Cole, Jr.
- 3275. In the Catskills.

Spencer, Mary.

- 3276. Peonies.

Spencer, Robert.

- 3277. The Grey Mills.
- 3278. Courtyard at Dusk.
- 3279. The Closing Hour.

Sprinchorn, Carl.

- 3280. Bench at Laguna.
- 3281. Dancer.
- 3282. Dancers.
- 3283. Man with Dagger.
- 3284. Masquerade.
- 3285. Woman with Fan.
- 3286. Young Woman.
- 3287. Youth.
- 3288. Drawing.
- 3289. Drawing.
- 3290. Sea God.

Springer, Eva.

- 3291. La Vieille.
- 3292. Italian Girl.
- 3293. Little Simone.

Stacey, Anna Lee.

- 3294. In Furs.
- 3295. Moonlight: Granada.

Stacey, John F.

- 3296. Mica.
- 3297. Mica.

- Staigg, Richard Morrell.**
3298. Portrait of Daniel Webster.
Lent by The Pennsylvania Academy of the Fine Arts.
- Stanton, Lucy M.**
3299. Mrs. Hunnicutt.
3300. An Old Woman.
3301. Mr. Joel Chandler Harris.
3302. A Scheme in Blue and White.
3302A Aunt Liza.
- Stark, Otto.**
3303. The Gravel Screen.
3304. Building Operations.
- Steele, Theodore C.**
3305. The Poplars.
3306. November Afternoon.
3307. The Hill Country.
- Steele, Zulma.**
3308. Nature's Tapestry.
- Steen, Jan Haidreks.**
3309. The Drunken Woman.
Lent by August Berg, Esq.
- Stetson, Charles Walter.**
3310. A Place of Peace.
3311. Smugglers.
3312. Harmony.
3313. In Praise of Dionysos.
3314. Portrait of Grace Ellery Channing-Stetson.
3315. October.
3316. Bathing.
3317. Summer Joy.
3318. Moonrise Behind Cypressess.
3319. The Love Song.
3320. A Dance at the End of the Day.
3321. Girls under a Tree.
3322. A Stream in Maremma.
3323. Landscape.
3324. Knights on Horseback.
3325. Near the Edge of the Ancient Burial Ground.
- Stewart, Julius L.**
3326. Wood Nymphs.
3327. Blue Butterfly.
3328. Venice.
- Stoddard, Alice Kent.**
3329. The Sisters.
3330. The White Waist.
3331. Portrait of Gerald Stanley Lee.
- Stokes, Frank Wilbert.**
3332. Aurora Borealis: Sea Ice Foreground.
3333. Antarctic Afterglow: Admiralty Sound.
3334. Aurora Australis: Antarctic Bergs.
3335. Antarctic Glacier: Admiralty Sound.
3336. Belgica Channel.
3337. Gate of Hades: Sunset Effect: Greenland.
- Storrs, J.**
3338. Portrait.
3339. Marble Head.
3340. Wooden Shoe.
- Story, Julian.**
3341. Portrait of the Artist.
3342. Portrait of Mrs. Story.
- Stream, Maria Judson.**
3343. Portrait.
3344. Girl in Gray Coat.
3345. Boy in Pierrot Costume.
3346. Mrs. W. B. McKennan.
3347. Portrait of Miss Alexander.
3348. Dorothy.
3349. William.
- Stream, [unclear].**
3350. Portrait of a Man.
Lent by Dan Fellows Platt, Esq.
- Stuart, Gilbert.**
3351. Portrait of President Monroe.
Lent by Hon. Seth Low.
3352. Captain Joseph Anthony.
Lent by Laurence Johnson Morris, Esq.
3353. Portrait of William Williamson.
Lent by Mrs. Gustav Radeke.
3354. Portrait.
Lent by Albert Rosenthal, Esq.
3355. Portrait of Major General Henry Dearborn.
Lent by Herbert Welsh, Esq.
- Stuck, Franz von.**
3356. Summer Night.
- Sully, Robert Matthew.**
3357. Junius Brutus Booth.
Lent by Albert Rosenthal, Esq.
- Sully, Thomas.**
3358. Portrait of Francis Anne Kemble.
Lent by The Pennsylvania Academy of the Fine Arts.
3359. Study of a Head.
Lent by the Estate of Samuel Bell Waugh.
- Sutter, H. B.**
3360. Street Scene: Provincetown.
- Suydam, J. A.**
3361. In the Meadows.
Lent by Robert M. Olyphant, Esq.
- Sylvester, Frederick O.**
3361A Mural Painting.
- Tadama, F.**
3362. Public Market: Seattle.
- Talcott, Allen B.**
3363. April at Chipmunk Point.
3364. The Ledges.
- Tanaka, Yasushi.**
3365. The Shadow of the Madrona.
- Tannahill, Mary H.**
3366. Jane Chapman.
3367. Brothers.
3368. Girl with Parrot.
3369. A Young Mother.
- Tanner, Henry O.**
3370. Christ at the Home of Lazarus.
- Tapley, J. J. Wooding.**
3371. November.
- Tarbell, Edmund C.**
3372. Girl Reading.
Lent by Boston Museum of Fine Arts.
3373. Girl in White.
Lent by J. H. Gest, Esq.
3374. Girl Reading.
Lent by the Cincinnati Museum Association.
3375. The Turquoise Ring.
Lent by the Art Club of Philadelphia.
3376. The Mirror.
Lent by the Queen City Club.
3377. Interior.
Lent by Dr. George Woodward.
3378. Girls Reading.
Lent by Mrs. Daniel Merriman.
3379. Portrait: Hon. John W. Hammond.
Lent by the Hon. John W. Hammond.
3380. Girl Crocheting.
Lent by Bela Lyon Pratt, Esq.
3381. Dr. Edward Reynolds.
Lent by Dr. Edward Reynolds.
3382. On Bos'n's Hill.
Lent by E. Dacre Bush, Esq.
3383. New England Interior.
Lent by Miss Catherine Codman.

Tarbell, Edmund C.—(Continued).

3384. Girl with Dog.
Lent by Mr. and Mrs. Stephen Codman.
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3386. Reverie
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3387. Mrs. John S. Lawrence.
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23. Decoration for Mrs. Harriman—Famous Women No. 3.
24. Decoration for Mrs. Harriman—Famous Women No. 2.
25. Decoration for Mrs. Harriman—The Conquerors No. 3.
26. Decoration for Mrs. Harriman—The Conquerors No. 2.
27. Decoration for Mrs. Harriman—The Conquerors No. 1.
28. Decoration for Mrs. Harriman—Famous Women No. 1.

Grover, Oliver Dennett.

29. Decoration in Blackstone Memorial Library.
30. Literature.
31. Science.
32. Labor.
33. Art.

Harris, W. L.

34. Decorative Composition: The Precious Blood.
35. Carved and Painted Doorway: Paulist Church.
36. Color Study: Paulist Church.
37. Mural Painting on Gold: Paulist Church.

Hewlett, Joseph M.

38. Decoration for Academic Theatre.

- Holslag, J. E.
 39. A. Indian Games on the Banks of the Rio Grande in the Early Days.
 B. Old El Paso in the Early Days.
 C. Transportation in the Early Days in Colorado.
 D. A Round-Up on the Colorado Plains.
- Hunt, William Morris.
 40. The Dawn: State Capitol: Albany.
- Jones, Francis O.
 41. Mural Decoration.
- La Farge, John.
 42. Church Decoration.
- Lamb, Charles Rollinson.
 43. Lakewood Memorial Chapel.
- Lamb, F. S.
 44. John Endicott Preaching.
 45. Conference of Washington and his Officers.
 46. The Wilsey Memorial Window.
 47. Milton.
 48. R. Stewart and his Clerks.
- Lauber, J.
 49. Virtues of an Upright Judiciary.
 50. The Spirit Triumphant.
 51. Pilgrimage of Life.
- Lichtenauer, J. Mortimer.
 52. Proscenium Arch.
- Loomis, Chester.
 53. Decoration: Adelphi House: Cornell.
- MacEwen, Walter.
 54. Library of Congress No. 1.
 55. Library of Congress No. 2.
- Mackay, W. A.
 56. Legend of Saragasso Sea.
- Marsh, F. D.
 57. Mural Decoration.
- Melchers, Gari.
 58. Library of Congress No. 1.
 59. Library of Congress No. 2.
- Millet, Frank D.
 60. The Purchase.
 61. Lunette: Hudson County Court House.
 62. Transportation of Mail: Cleveland Court House No. 1.
 63. Transportation of Mail: Cleveland Court House No. 2.
 64. Transportation of Mail: Cleveland Court House No. 3.
- Newton, Francis.
 65. The Rattle Watch.
- Oakley, Violet.
 66. Governor's Reception Room: State Capitol: Harrisburg.
- Pearce, Charles Sprague.
 67. Library of Congress.
- Peixotto, Ernest.
 68. Panel for Frieze.
- Phoenix, L. M.
 69. Hiawatha.
- Pyle, Howard.
 70. The Genius of Art.
 71. Landing of Carteret.
 72. Battle of Nashville.
- Ryland, R. K.
 73. Night following Day.
- Sargent, John Singer.
 74. Astarte: Boston Public Library.
 75. Confusion of Religions: Lunette.
 76. Moloch: Boston Public Library.
 77. Dogma of Trinity: Boston Public Library.
 78. Frieze of Prophets.
- Schladermundt, H. T.
 79. Art Gallery: Thomas Fortune Ryan, Esq.
- Schwartz, Andrew T.
 80. Panel Ceiling of Ballroom.
- Sears, Taber.
 81. Eastern Gateway of American Continent.
 82. Joshua crossing the Jordan.
- Shirlaw, Walter.
 83. Library of Congress.
- Stoddard, Frederick L.
 84. Womanhood.
- Thayer, Abbott H.
 85. Florence.
- Turner, C. Y.
 86. Triumph of Manhattan.
 87. First Passage of Steamer Claremont.
 88. General Washington at Fort Lee.
 89. Peggy Stewart.
- Vodder, Elihu.
 90. Good and Bad Government: Library of Congress.
 91. Minerva: Library of Congress.
- Volk, Douglas.
 92. Fur Trading Period.
- White, Gilbert.
 93. Decoration: New Haven County Courthouse.
- Willett, A. E.
 94. Justice and Mercy.
- Willis, R. T.
 95. Decoration 22nd Regiment Armory.

PRINTS: ETCHINGS, LITHOGRAPHS, ETC.

- Addams, Clifford.
 1. River Scene, Blackfriars.
 2. A Venetian Schooner.
 3. The Dressmaker's Balcony, Venice.
 4. Obscure Turning, Venice.
 5. The Rialto, Venice.
 6. Harbor Scene: Venice.
 7. Porta della Carta.
 8. City Hall, Philadelphia.
 9. Venice.
 10. Garden Entrance, Venice.
 11. Westminster.
 12. After a Wedding, Grand Canal, Venice.
- Addams, Clifford—(Continued).
 13. The Emigrants Entry, Philadelphia.
 14. Admiral's House, Amsterdam.
 15. New York Harbor.
 16. The Print Shop of Keppel, N. Y.
 17. The Harbor, Dordrecht.
 18. Dordrecht Cathedral.
 19. Antique Shop, Venice.
 20. The Thames.
 21. Soho.
 22. Hampstead.
 23. Demolition.
 24. Tower of London.
 25. Land Ho.

Addams, Clifford—(Continued).

26. A Soho Alley.
27. Home for Decayed Fishermen.
28. Limehouse.
29. Hoboken.
30. Dordrecht Gateway.
31. Tramway Accident.
32. By the Dam, Philadelphia.
33. Coliseum, St. Martins Lane.
34. Old Race Street Shop.
35. Waterloo Place.
36. Stable Yard, Philadelphia.
37. Finchley.
38. Lincoln's Inn Fields.
39. Alexandra Day in Seething Lane.
40. Decoy Farm.
41. By the Docks, Brooklyn.
42. New York Herald Building.
43. The High Stoop.
44. El Rastro, Madrid.
45. Hampstead Garden Suburb.
46. Margate.

Aid, George Charles.

47. Isolabona.
48. Les Deux Ponts, San Remo.
49. Port d'Honfleur.
50. Notre Dame de Mechelin.
51. Les Balcons, Isolabona.
52. Pont Neuf.
53. Cathedral Saint Cecile, Albi.
54. Pergolato.
55. Dans la Vallée de l'Eure.
56. Rue de Neubourg, Louviers.
57. Twilight.
58. Rue de l'Evêché, Beauvais.
59. Italian Gates.
60. La Vieille Maison, Louviers.
61. La Siene à Puteaux.
62. Coin du Marché, Louviers.
63. Jardin de Mme. Lescaute.
64. St. Nicolas du Chardonnet.
65. La Conciérgerie, Paris.
66. Pont Marie, Paris.
67. Piazza Parrocchiale, Dolceacqua.
68. Hotel de Cluny, Paris.

Allen, James.

69. Bonaparte (Engraved in 1792).

Lent by Robert Fridenberg, Esq.

Almquist, Olof.

70. Woodrow Wilson.
71. Joseph Jefferson.
72. Miss Effy Elsey.

Anderson, Alexander.

73. Self-portrait.
- Lent by Robert Fridenberg, Esq.
74. John Carroll.
- Lent by Robert Fridenberg, Esq.
75. Portrait of Washington.
- Lent by H. C. Lewis, Esq.
76. Hunting Scene (after Ridinger).
- Lent by Robert Fridenberg, Esq.

Armington, Caroline Helena.

77. Notre Dame de Paris.
78. St. Sulpice, Paris.
79. Quai des Orfèvres, Paris.
80. Pont Neuf et le Louvre.
81. An Old Court, Venice.
82. Old Door, Venice.
83. Notre Dame pris de St. Julien le Pauvre, Paris.
84. Ponte dei Sospiri, Venice.
85. Porte d'Entree, Cluny, Paris.
86. Les Thermes, Cluny, Paris.
87. Cour du Dragon, Paris.
88. Une Boutique, Constantine.
89. St. Gervais, Paris.
90. Une Ruelle, Constantine.
91. Un Passage, Constantine.
92. Rue d l'Arc, Constantine.
93. Ile de la Cité, Paris.

Armington, Caroline Helena—(Continued).

94. Thames and St. Paul's, London.
95. Pont Sainte Marie, Paris.
96. No. 8 Rue de l'Arc, Constantine.
97. La Rue de l'Echelle, Constantine.
98. Tournelle Principale, Cluny, Paris.
99. Hotel de Sens, Paris.

Armington, Frank M.

100. Henkersteg, Nürnberg.
101. Portal on Rathaushof, Rothenburg.
102. Boulevard des Capucines, Paris.
103. Pont du Carronsel, Paris.
104. Meditation.
105. Marie.
106. Königstrasse, Nürnberg.
107. Type Oriental.
108. Pont Neuf, Paris.
109. Jardin des Tuilleries.
110. Tour Eiffel, Paris.
111. Entree de Fondouk, Biskra.
112. Vue Prise d'une ruine à Carthage.
113. Pietro.
114. Campement Saharien.
115. All.
116. Bedouin.
117. Route de Sidi-Okba, Biskra.
118. Jean.
119. Jeanne.
120. The Black Sash.
121. Notre Dame de Paris.
122. Tower Bridge, London.
123. Bourrelleur au Marais, Paris.

Bacher, Otto.

124. The Canal.
125. The Lido, Venice.
126. San Vio.
127. Casa d'Oro.
128. Lustheim.
129. Entrance, Grand Canal.
- Lent by Frederick Keppel & Co., New York.
130. Rainy Day in Venice.
- Lent by A. S. Macdonald, Esq.
131. Lavanderia.
132. Ponte del Pistor.
133. Lace Makers.
134. Chioggia.
135. Fondamenta di Tolentini.
136. Schleissheim, Tree in Royal Garden.
137. A Corner of St. Mark's.
138. Net Makers, Chioggia.
139. Three Ships.
140. Old Market, Florence.
- Lent by Mrs. Otto H. Bacher.

Barone, Antonio.

141. "Boba."
142. The Musicians.
143. The Brook.
144. La Dance au Crepuscule.
145. The Spanish Necklace.
146. Doves and Tenements.
147. Between the Tenements.
148. The Little Shop.
149. Cornelia.
150. The Fish Vendor.
151. Boy Writing.
152. Greeley Square, New York.
153. Roberto.
154. The Little Mother.
155. Still Life.
156. La Petite Grècque.

Baumann, Gustave.

157. Courthouse Yard.
158. Town of Nashville.
159. The Door Yards.
160. Harden Hollow.
161. In the Hills of Brown.
162. Mathis Alley.
163. Peach and Plum Bloom.
164. Washington Barnes' Cabin.

Bernstrom, Victor.

- 165. Pirates Haven.
- 166. The Mujik.
- 167. The Mystery of Life.
- 168. Jacking for Eels.
- 169. Limbering Up.
- 170. Philip II of Spain.
- 171. The Dead Matador.
- 172. Shepherdess.
- 173. Trapped at Last.
- 174. The River Shore.

Bloodgood, Robert Fanshawe.

- 175. Two's Company.
- 176. Hark.
- 177. Hard Times.
- 178. The End of an Outlaw.
- 179. The Early Bird.
- 180. Fairy Godmother.
- 181. Blown Out to Sea.
- 182. The Merry Winter Crow.
- 183. Jealousy.
- 184. Arctic Traveler.

Blum, Robert F.

- 185. The Witch.
 - 186. Profile.
- Lent by William J. Baer, Esq.

Bobbett, A.

- 187. The Cure (after Darley).
- Lent by Mrs. F. O. C. Darley.

Borg, Oscar Carl.

- 188. Il Castello.
- 189. San Pietro di Palestrina.
- 190. Landscape.
- 191. Venetian Canal.
- 192. Villa dei Quintilli (Campagna Romana).

Bridport, Hugh.

- 193. John Vaughn (after Thomas Sully).
- Lent by Robert Fridenberg, Esq.

Brown, Benjamin C.

- 194. Venetian Bridge.
- 195. In Old San Juan.
- 196. Rainy Day, San Francisco.
- 197. Santa Maria della Salute, Venice.
- 198. Cliffs, Golden Gate.
- 199. Hay-Wharf, San Francisco.
- 200. Russian River, California.
- 201. A Bridge of Venice.
- 202. Old Bridge at Bruges.

Brown, Howell C.

- 203. Summer Afternoon, Laguna Beach.
- 204. The Sign Board, Chinatown, San Francisco.
- 205. Eucalyptus Trees, Laguna Beach.

Brown, M. E. D.

- 206. Stephen Girard (after Bass Otis).
 - 207. Reading the Scriptures (after B. B. Hayden).
- Lent by Robert Fridenberg, Esq.

Burr, George Elbert.

- 208. Venetian Fishing Boats.
- 209. Evening, Lake Geneva.
- 210. Piñon Trees and Spanish Peaks.
- 211. Long's Peak from Denver.
- 212. Pike's Peak.
- 213. Arizona Clouds.
- 214. Spanish Peaks, morning.
- 215. Rheinstein Castle.
- 216. Evening, North Wales.
- 217. Village of Gandria, Lake Lugano.
- 218. North Boulder Creek, Colorado.
- 219. Evening, Lake Geneva.
- 220. Old Cedar and Pike's Peak.
- 221. High Street, Oxford.
- 222. Warwick Castle, Night.
- 223. Moll Llabod, North Wales.
- 224. Valley of the Lledr, North Wales.
- 225. The Fairy Glen.

Burr, George Elbert—(Continued).

- 226. The Willows.
- 227. Oaks in Winter.
- 228. Winter.
- 229. On the Little Colorado, Arizona.

Burt, Charles.

- 230. Henry W. Longfellow.
- Lent by Frederick Keppel & Co.

Calewaert, Louis H.

- 231. Madam Braun.
- 232. Old Houses in Detroit.
- 233. The Blower.
- 234. Ma Grandmère.
- 235. My First Plate.
- 236. William Fanning.
- 237. The Canal.
- 238. Youth Drawing.
- 239. Portrait of J. R.
- 240. Sketch of the Etcher.
- 241. Ma Grandmère Endormi.
- 242. Luminaris.
- 243. North Peoria Street.
- 244. On the Detroit River.

Carr, Michael Carmichael.

- 245. Calvi, Corsica.
- 246. Lobster Baskets, Corsica.
- 247. Nonza, Corsica.
- 248. Bread Carrier, Ajaccio, Corsica.

Chadwick, Charles W.

- 249. The Outprit, after Belcher.
- 250. Needlework, after Townsend.
- 251. Illustration, after Brown.
- 252. Bereavement, after Adan.
- 253. Sent to Bed, after Belcher.
- 254. Portrait.

Chadwick, E.

- 255. Landscape.
- 256. Study of Trees.
- 257. Pont Neuf.
- 258. Pont Neuf No. 2.

Chandler, George Walter.

- 262. Via Riccabone, San Remo.
- 263. La Rue Kleber, Algiers.
- 264. Bab El Tunis.
- 265. Souk El Djemma.
- 266. Ponte Vecchio, Florence.
- 267. A Farmyard in Auvergne.
- 268. Via Monte, San Remo.
- 269. Via Vecchia, Perugia.
- 270. Impasse du Lion, Algiers.
- 271. Rue des Teinturiers.
- 272. The Minarettes, Benares.
- 273. Rue Abd El Kader.
- 274. Westminster Abbey (The Choir).
- 275. Ponte Vecchio, Florence.

Cheney, John.

- 276. Beatrice.
- Lent by Louis Katz, Esq.
- 277. Francis Anne Kemble (after Thomas Sully).
- Lent by Robert Fridenberg, Esq.

Closson, William Baxter.

- 278. Winifred Dysart (after Fuller).
- 279. Ideal Head (after Fuller).
- 280. The Christ (after Da Vinci).
- 281. The Turkey Pasture (after G. Fuller).
- 282. Psyche.
- 283. Flora (after Titian).
- 284. Portrait of Thiers.
- 285. Madonna Granducca (after Raphael).
- 286. Paola and Francesca (after Watts).
- 287. Immaculate Conception (after Murillo).
- 288. Flowers (after Bonvin).
- 289. Haunts of the Song Sparrow.
- 290. Ralph W. Emerson (after Rowse).
- 291. Dr. O. W. Holmes.
- 292. Charles and Mary (after Van Dyck).

Cole, Timothy.

- 293. Mona Lisa, (after Da Vinci).
- 294. Holy Family (after Rembrandt).
- 295. La Maternité (after Carrière).
- 296. The Bathers (after Corot).
- 297. The Broken Mirror (after Greuze).
- 298. Phillip IV (after Velasquez).
- 299. The Mother (after Millet).
- 300. Portrait of a Spanish Lady (after Fortuny).
- 301. Portrait of Princess Vitelli (after Francia).
- 302. Saint Elizabeth (after Zurbaran).
- 303. Portrait of a Man (after Velasquez).
- 304. Portrait of Snyder's Wife (after Van Dyck).
- 305. Nature (after Romney).
- 306. Portrait of Mrs. Glenowen and Child (after Raeburn).
- 307. Portrait of Mrs. Skipwith (after Reynolds).
- 308. Repose in Egypt (after Knaus).
- 309. Madame Mercier (after Greuze).
- 310. Portrait (after Velasquez).
- 311. The Cavalier (after Hals).

Colman, Samuel.

- 312. Windmill.

Lent by Ingham Hughes, Esq.

Colwell, Elizabeth.

- 313. The Four Willows by the Stream.
- 314. The Lake in Winter.
- 315. The Pond in the Park.
- 316. The Pig Sty.
- 317. Kellar's Orchard.
- 318. Head of an Old Man.
- 319. An Old Man Reading.
- 320. The Birch Tree.
- 321. The Great Pine.
- 322. Old Willows.
- 323. The Willow.
- 324. The Bridge.
- 325. Peach Blossoms.
- 325A. The Sea from Penobscot Lighthouse.

Congdon, Adairne Voss.

- 326. Montreuil sur Mer.
- 327. Montreuil sur Mer (color).
- 328. Place Saint Genevieve.
- 329. Place Saint Genevieve (color).

Congdon, Thomas B.

- 330. An Old English Gateway.
- 331. Factories on the Thames.
- 332. Le Palais du Luxembourg.
- 333. Le Palais du Luxembourg (color).
- 334. Along the Embankment.
- 335. Pont Neuf.
- 336. Pont Neuf (color).
- 337. Bridge of Sighs.
- 338. Browning's Home, Grand Canal.
- 339. An Old English Court.
- 340. Saint Etienne du Mont.
- 341. Fountain of the Luxembourg.
- 342. Fountain of the Luxembourg (color).
- 343. Saint Jean du Dought, Finisterre.

Coover, Nell.

- 344. Waiting.
- 345. Sleeping Infant.
- 346. Jealousy.
- 347. Petit Enfant.
- 348. Laurette.
- 349. Child Bathing.
- 350. Le Ballon Rouge.
- 351. Au Guignol.

Cotton, John Wesley.

- 352. A Cornish Luggar.
- 353. Pollard Willows.
- 354. In the Beguinage, Bruges.
- 355. Place de la Digue, Bruges.
- 356. Belgian Farm.
- 357. Pont St. Boniface, Bruges.
- 358. Bruges.
- 359. Bruges.

Cotton, John Wesley—(Continued).

- 360. The Hilltop.
- 361. In Epping Forest.
- 362. Twelfth Century Houses, Chester, England.
- 363. Porthwidden Cove, Cornwall.
- 364. Hamstead Heath.
- 365. St. Ives' Harbor.
- 366. The Firs, Hamstead Heath.
- 367. Beeches, Epping Forest, England.
- 368. The Firs, Hamstead Heath (in colors).
- 369. Blossom Time.
- 370. Old Flemish Mill.
- 371. Out of the Fog.
- 372. Old Bridge, Bruges.

Covey, Arthur S.

- 373. The Great Wheel, South Troy, N. Y.
- 374. Harbour Cove, Gloucester.
- 375. Steel Workers, No. 1.
- 376. The Singing Man.
- 377. The Oall.
- 378. Steel Workers, No. 2.
- 379. The Hammer Shop.
- 380. Victoria Station, London.
- 381. The White Mill.
- 382. The Coppersmith.

Dahlgreen, Charles W.

- 383. Approaching Storm.
- 384. Shower on the Marshes.
- 385. The River.
- 386. A Day in Tone.
- 387. Fantasia.
- 388. In Mood.
- 389. The Light House.
- 390. Mist at Sea.
- 391. Birch Tree.
- 392. Winter Shadows.
- 393. The Edge of the Timber Line.
- 394. Sunshine and Poetry.
- 395. Christmas.
- 396. Florida Forest Fire.
- 397. The Lowlands.
- 398. Falkenburg, Germany.
- 399. After a Spring Rain.
- 400. Evening on the Marshes No. 1.
- 401. Evening on the Marshes No. 2.
- 402. Evening Clouds.
- 403. Early Spring, Giverny.
- 404. Awakening of Spring.
- 405. On the Road to Holland.
- 406. Reflections.
- 407. The Willows.
- 408. Moorlands of Germany.
- 409. A Poem.
- 410. Cyclone Cloud.
- 411. On a Country Road.
- 412. Heatherlands.
- 413. Thanksgiving.

Davis, John Parker.

- 414. The Tile Club at Easthampton (after Abbey).
- 415. Mme. Deshoulières (after Mignard).
- 416. Robert Harley, Earl of Oxford (after Kneller).
- 417. The Divine Tragedy, Mary Magdalene (after Dielman).
- 418. The Skeleton in Armor (after Abbey).

Lent by George H. Whittle, Esq.

Dawkins, Henry.

- 419. Benjamin Lay (after W. Williams).

Lent by Robert Fridenberg, Esq.

Dawson-Watson.

- 420. The Man with the Silver Torque (after Rembrandt).
- 421. The Night Fisherman.
- 422. Peter Van Brugh Livingston (after Raeburn).
- 423. Dr. Horace Bushnell (after Rowse).
- 424. George and Martha Washington (after Sharples).

De Cordoba, Mathilde.

- 427. Charles Courtenay Hoge.
- 428. Roy Blue.
- 429. Ma Mère.
- 430. Child with a Bottle.
- 431. Gilbert Simon.
- 432. Kate Prentice.
- 433. Hubert Phipps.
- 434. The Ballet Dress.
- 435. Halla Brown.
- 436. Child with Japanese Lantern.
- 437. Jacqueline.
- 438. Helen Buchanan.
- 439. Sir John Simon.
- 440. Enfant Aux Raisins.
- 441. The Good Fairy.
- 442. Child Standing.
- 443. Camilla Brown.
- 444. Her First Portrait.
- 445. Toby, Son of Lord Hilton.
- 446. John Burrough.

De Witt, Gerard.

- 447. The Arch.

Dillaye, Blanche.

- 448. On Little Egg Harbor Bay.
- 449. A Country Road.
- 450. A Bird's Eye View of Annisquam.
- 451. A Mob of Houses.
- 452. An Old Street, Quebec.
- 453. A Dutch Waterway.
- 454. Leaning Houses, Dordrecht.
- 455. The Last Cargo.
- 456. A Narrow Way.
- 457. Fishing Wiers, Bay of Fundy.
- 458. Marsh at Ocean City.
- 459. On the Road to Wapashemet.
- 460. An Upland Path.
- 461. A French Roadside.
- 462. Mist on the Cornish Coast.

Dow, Arthur W.

- 463. The Dory.
- 464. The Yellow House.
- 465. Rain in May.
- 466. Ipswich Marshes, Color Schemes No. I, II.
- 467. August Moon.
- 468. November.
- 469. The Gap, New England Pasture.
- 470. By Salt Marshes.
- 471. Harry Mayne, his House, the Pirate of Old Ipswich.
- 472. The Desert, Color Schemes No. I, II, III, IV.
- 473. Little Venice, Color Schemes No. I, II.
- 474. The Blue House.
- 475. Above the Old Bridge, Ipswich.
- 476. Evening Glow.
- 477. April.
- 478. The Old Bridge, Ipswich.
- 479. Site of the Moraine.
- 480. The Blue Lily.
- 481. In Old High, Ipswich.

Durand, Asher Brown.

- 482. John Trumbull (after Waldo & Jewett).
- 483. Elias Boudinot, M. D. (after Waldo & Jewett).
- 484. Ariadne (after Vanderlyn).
Lent by Robert Fridenberg, Esq.

Eckstein, John.

- 485. Martin Luther (after Holbein).
Lent by Robert Fridenberg, Esq.

Edwards, S. Arlent.

- 486. Alexander Hamilton.
- 487. Simonetta.
Lent by Robert Fridenberg, Esq.

Edwin, David.

- 488. Thomas McKean (after Gilbert Stuart).
Lent by Robert Fridenberg, Esq.

Ertz, Edward F.

- 489. Place Royal, Paris.
- 490. La Terre.
- 491. Lavoira, Chartres.
- 492. Mother and Child.
- 493. Vieux Loups de Mer.
- 494. A Study of Expression.
- 495. Polperro.

Eskridge, Robert.

- 496. The Junk Shop, Chicago.
- 497. Old Mission, San Diego.

Evans, John W.

- 498. Making Glass Beads (after Sargent).
- 499. Becalmed (after Beal).
- 500. Commencement Day (after Bellows).
- 501. Little Dutch Girl (after Woodbury).
- 502. Medallion, Napoleon.
- 503. Statue Louis XIX.

Farrar, Henry.

- 504. Evening near a Fishing Station.
- 505. In Port.
- 506. Sunset in the Lower Bay.
- 507. Sunset.
Lent by Frederick Keppel & Co., New York.

Ferris, Stephen L.

- 508. Granada.
Lent by Ingraham Hughes, Esq.

Foster, John.

- 509. Rev. Richard Mather.
Lent by Frank J. Mather, Esq.

French, Edwin Davis.

- 510. Sarah Elizabeth Whitin.
- 511. Edwin Davis French.
- 512. Whitelaw Reid.
- 513. E. D. Church.
- 514. John Skelton Williams.
- 515. Ira Hutchinson Brainerd.
Lent by Ira H. Brainerd, Esq.

French, Frank P.

- 516. The Meadow.
- 517. Portrait (after Dewing).
- 518. Bedouin Girl (after Photograph).
- 519. Isaac Walton (after Boughton).
- 520. Beech Woods (after Parsons).
- 521. Francis I. (after Reinhardt).
- 522. Under the Mistletoe.
- 523. Christmas Chimes.
- 524. Valentine.
- 525. The Chrysanthemum.
- 526. Evening Primrose (after Gibson).
- 527. A Christmas Vigil.
- 528. St. Cecilia (after Church).
- 529. The Golden Stair (after Burne Jones).
- 530. Heneyah (after Bridgman).
- 531. The Day of Rest (after Abbey).
- 532. Edwin Booth (after Sargent).
- 533. The Vale of Tears (after Poveda).
- 534. The Rare Vase (after Fortuny).
- 535. Wood Engraving (after Abbey).

Gagnon,

- Clarence A.
- 536. Vieux Moulin en Picardie.
- 537. Tour de l'Horloge Dinan.
- 538. Moonlight, Pont de l'Arche.
- 539. Canal du Loing.
- 540. Vue de Rouen.
- 541. Luxembourg Gardens, Paris.
- 542. Mont St. Michel Brittany.
- 543. Rue des Cordeliers, Dinan.
- 544. L'Orage.
- 545. Sant' Agostino Canal, Venice.

Gallagher, Sears.

- 546. Appledore, England.
- 547. St. Ives.
- 548. Brooklyn Bridge, N. Y.
- 549. Woolworth Building, N. Y.
- 550. Carlisle Street, N. Y.
- 551. St. Pauls' Cathedral, Boston.
- 552. Trinity Church, Boston.
- 553. T. Wharf, Boston.
- 554. Old State House, Boston.
- 555. Paul Revere House, Boston.
- 556. Boylston Street, Boston.
- 557. Bideford, England.
- 558. English Cottage.
- 559. Appledore, England.
- 560. Old Mill, Nantucket.
- 561. Wild Cherry Trees.
- 562. Across the River.
- 563. Boy with Dog.
- 564. Girl with Rabbit.
- 565. From the Hill.

Gallaudet, Elisha.

- 566. George Whitfield, M. A.
- Lent by Robert Fridenberg, Esq.

Getchell, Edith Loring.

- 567. Home by Sea.

Gilmora, Ada.

- 568. Promenade.

Gleason, Charles K.

- 569. A View of Burgos.
- 570. Les Carriers, Paris.
- 571. Au Impasse, Paris.
- 572. Quai d'Ivry, Paris.
- 573. Val du Grace.
- 574. Plateresque Doorway.
- 575. King's Highway Viaduct, St. Louis.
- 576. Conciergerie, Paris.
- 577. Fifteen Houses and Pont Neuf.
- 578. Tavern of Seven Trees.
- 579. Corner of Pont Neuf.
- 580. Near Saint Etienne du Mont.
- 581. Noon Hour.
- 582. Alcantara, General View.
- 583. Vue de la Cité.
- 584. Pont Saint Nicholas.
- 585. Saint Anne of Shandon.

Goetsch, Gustave F.

- 586. Marblehead, Mass.
- 587. In the Harbor.
- 588. Marblehead Harbor.
- 589. On the Harlem Pier.
- 590. The Harbor.

Goldthwaite, Anne.

- 591. Sunny Hillside.
- 592. Cock Fight.
- 593. Egyptian Dancer.
- 594. Bal Bullier.
- 595. The Letter.
- 596. Alabama Pines.
- 597. At Montmartre.
- 598. Church Yard, Brittany.
- 599. Fraulein Von Kneptisch.
- 600. Un Moment Musical—Shubert No. I.
- 601. Un Moment Musical—Shubert No. II.
- 602. Un Moment Musical—Shubert No. III.
- 603. The Ballet.
- 604. Egyptian Dancer Kneeling.
- 605. October.

Green, Bernard I.

- 606. Girl Reading.

Griffin, James Martin.

- 607. River Lee, Cork, Ireland.

Griffith, Louis Oscar.

- 608. In New England.
- 609. The Weaver.
- 610. The City of Granite.
- 611. A Brittany Mill.
- 612. Sardine Boats, Concarneau.
- 613. Winter.

Hale, Walter.

- 614. The Castle of Turégano.
- 615. The Flat Iron Building, New York.
- 616. The Alcazar, Segovia.

Halpin, Frederick.

- 617. Asher B. Durand (after C. L. Elliot).
- Lent by Robert Fridenberg, Esq.

Hammersmith, Paul.

- 618. Close of Day.
- 619. Jones Island.
- 620. Twilight Shadows.
- 621. Ferry Boats.
- 622. Rustic Bridge.
- 623. University Drive.
- 624. Holland.

Hansen, Armin C.

- 625. At the Landing Stages.
- 626. The Shower.
- 627. Flemish Landscape.
- 628. Before the Wind.
- 629. Harry Varick.
- 630. Low Tide.

Harar, Frederick W.

- 631. A Fire.
- 632. La Estrellita.
- 633. An Effect of Light.
- 634. Marketing.
- 635. Independence Square.
- 636. The Farrier.
- 637. Emigrants.
- 638. A Scavenger.
- 639. A Bum.

Harley.

- 640. Jack of the Mill (after Darley).
- Lent by Mrs. F. O. C. Darley.

Harrison, Abraham.

- 641. An Old Hebrew Peddler.
- 642. Son of Israel.

Harsho, Robert B.

- 643. Tamalpais.
- 644. Monterey Dunes.
- 645. Lagnita, Stanford University.
- 646. Chinese Truck Patch.
- 647. Three Pines.
- 648. The Inner Quad, Stanford University.
- 649. On the Stanford Farm.
- 650. Fisherman's Wharf.
- 651. Dutch Cottages.
- 652. Twilight.
- 653. San Lorenzo.
- 654. The Ostrich.
- 655. Indian Rock Park, Moonlight.

Haskell, Ernest.

- 656. Peeling Apples.
- 657. The Captain.
- 658. Darning.
- 659. The Whistling Boy.
- 660. The Fruit Shop.
- 661. The Spectre.
- 662. Dwarfs of Ragged Island.
- 663. The Crippled Pine.
- 664. The Moss Trees.
- 665. The Skeletons.
- 666. The Hunchback.
- 667. The Dead Sisters.
- 668. The Colt.
- 669. The Blind Gypsy.
- 670. Retrospection.
- 671. Drawbridge.
- 672. The Sand Hopper.
- 673. Kinnebeck Homesteads.
- 674. Mrs. P.
- 675. Announcement.
- 676. Christmas Card.
- 677. Amelia.
- 678. Bookplate.
- 679. Christmas Card (Private Plate) (Whitney).
- 680. Book Plate (Lorillard).
- 681. Hill Top.

Heinemann, Ernst.

- 682. Japanese Children.
- 683. A Confederate Charge.
- 684. A Minuet at Mount Vernon (after Wiles).

Lent by Mrs. Ernst Heinemann.

Higgins, Eugene.

- 685. Midnight Duty.
- 686. The Rent Bill.
- 687. The Blind Leading the Blind.
- 688. The Rag Pickers.
- 689. Under Archway.
- 690. In the Park.
- 691. Slum Girl.
- 692. Mendicants.
- 693. An Outcast.
- 694. Mother Groliot's Doorway.
- 695. The Return.
- 696. Out of Shadows.

Hill, John.

- 697. New York from Governor's Island.
- 698. American Drawing Book.

Lent by Robert Fridenberg, Esq.

Hinshelwood, Robert.

- 699. The Rendezvous (after J. W. Hart).

Lent by Robert Fridenberg, Esq.

Hobart, Clark.

- 700. Ready for the Ball.
- 701. Lovers' Quarrel.
- 702. Camp Mystery.
- 703. Nymph at the Pool.
- 704. Idyl.
- 705. Spring.
- 706. Memories.
- 707. The Greeting.
- 708. Wood Choppers' Hut.
- Fete Champetre.
- The Picnic.
- California Oaks.

Hopkins, Mrs. Edna Boies.

- 709. Fig Leaves.
- 710. Honeysuckle.
- 711. Purple Daisy.
- 712. Nasturtium.
- 713. Zinnia.
- 714. Fuschia.
- 715. Grapes.
- 716. Purple Asters.
- 717. Datura.
- 718. Morning Glory.
- 719. Eucalyptus.
- 720. Pepper.
- 721. Veronica.
- 722. Nicotina.
- 723. Bramble.
- 724. Philox.

Hornby, Lester George.

- 725. La Cathédral à Reims.
- 726. Le Goutier.
- 727. Le Ciel Pluvieux.
- 728. Le Pont.
- 729. Le Matin. Glond Sur Marne.
- 730. La Marne à Chateau Thierry.
- 731. La Jardinière. Matin, Marne.
- 732. Le Chateau. Passy Sur Marne.
- 733. Vieilles Maisons. Reims.
- 734. The Goose Girl.
- 735. Douches. Marne. Aumont Marne.
- 736. La Basse Marne.
- 737. Au Parc. Fontaine aux Champs.
- 738. The Harvested Marne.
- 739. Douches aux Champs.
- 740. La Fosse à Glond Marne.
- 741. The Pic. Sur Marne.
- 742. La Fosse à Prouin.
- 743. Chateau à la Porte Mable.
- 744. Les Fosses à Chateau Thierry.
- 745. La Colline. Marne.
- 746. Le Gamin. Marne.

Hornby, Lester George—(Continued).

- 747. Ramasseurs des Fagots, Marne.
- 748. Ciel et Champs No. 7.
- 749. Ciel et Champs No. 4.
- 750. Les Cochons.

Horter, Earl.

- 751. French Quarter, New Orleans.
- 752. Smelters, Pittsburg.
- 753. Madison Square.
- 754. Old Farm House, Germantown.

Lent by The Brown-Robertson Co.

Huber, Konrad.

- 755. Nimrod exhibits his Humor (after Darley).

Lent by Mrs. F. O. O. Darley.

Hunt, William Morris.

- 756. Hurdy-Gurdy Player.

Lent by Robert Fridenberg, Esq.

Hurley, Edward T.

- 757. A Bad Night.
- 758. Market Alley.
- 759. Dry Creek Valley, Boole County, Ky.
- 760. Suspension Bridge, Cincinnati.
- 761. In Eden Park.
- 762. Autumn Woods.
- 763. Sheep at Ault Park.
- 764. Garfield Park.
- 765. Summer Days.

Hyde, Helen.

- 766. Baby Talk.
- 767. The Furious Dragon.
- 768. The Sacred Calf, Agra, India.
- 769. The Unwilling Dancer.
- 770. The Blue Umbrella.
- 771. A Mexican Coquette.
- 772. An Interlude, Mexico.
- 773. Feeding the Bunnies.
- 774. Sunday Morning.
- 775. Mount Orissaba.
- 776. Over the Garden Wall.
- 777. Going to Market.
- 778. August.
- 779. Driving Out Bad Luck.
- 780. A Summer Girl.
- 781. The Greeting.
- 782. New Brooms.
- 783. The Go-Cart.
- 784. A Roundelay.
- 785. Winter.
- 786. The Family Umbrella.
- 787. Complaints.
- 788. Blossom Time in Tokyo.
- 789. The Kamelido Bridge.
- 790. The Chase.
- 791. The Bamboo Fence.
- 792. The Little Pink Plum.
- 793. An April Evening.
- 794. The Secret.
- 795. My Neighbors.
- 796. The Sauce-Pan Shop. Soochow, China.
- 797. A Day in June.
- 798. A Summer Shower.
- 799. The Bath.
- 800. Cherry-Rain.
- 801. A Daruma Branch.
- 802. The Spring Poem.
- 803. Going to the Fair.
- 804. Friends of Winter.
- 805. New Year's Day in Tokyo.
- 806. In Their Holiday Clothes.

Jaques, Bertha E. Clanson.

- 817. Street of Janissaires, Algiers.
- 818. Willows, Rysard.
- 819. Peat Boat, Marken.
- 820. Along the Mall.
- 821. Scotch Colliers' Cottage.
- 822. Rain on Thames.
- 823. Charing Cross Bridge.

Jaques, Bertha E. Clauson—(Continued).

- 824. Hamstead Heath.
- 825. Prisons of the Sea.
- 826. Minelli, Venice.
- 827. Sunny Corner.
- 828. Shipyard, Venice.
- 829. Venice Fisherman.
- 830. Paradise Bridge, Venice.
- 831. Santa Margherita, Venice.
- 832. The Tangle, Chioggia.
- 833. The Columns, Roman Forum.
- 834. The Arch, Roman Forum.
- 835. Burano.
- 836. Thames Boats, London.

Johns, W. B.

- 837. The Ruined Castle at Grez.
- 838. The Stone Bridge.
- 839. November Day.
- 840. Village on the Seine.
- 841. Evening in France.
- 842. The Canal.
- 843. A Little Arab.
- 844. Across the Fields.

Johnson, Thomas.

- 845. Abraham Lincoln.
- Lent by Robert Fridenberg, Esq.
- 846. Franz Liszt.
- 847. Robert Browning.
- 848. Alfred Tennyson.
- Lent by Mrs. Thomas Johnson.

Jones, Alfred.

- 849. The Capture of Major André.
- 850. Farmers' Noonning.
- Lent by Mrs. Ellen Major Jones.

Keeler, Charles B., Jr.

- 851. Old Houses in the Place Terre au Duc, Quimper.
- 852. House of the Lime Seller in the Rue Traverse, Morlaix.
- 853. Beggar at St. Jean du Doight.
- 854. Bazaar of the 100,000 Articles, Quimper, Brittany.
- 855. Christmas Card.
- 856. Levanto.

Kimball, Katherine.

- 857. Lock at Moret-sur-Loing.
- 858. Maison Barlier, Paris.
- 859. Facade of the Louvre.
- 860. Oast Houses.
- 861. Presbytère de St. Maclou, Rouen.
- 862. The Cemetery, Venice.
- 863. La Maison le Roy, Petit Andeley.
- 864. Chateau Gaillard (aquatint).
- 865. Chateau Gaillard.
- 866. The Doomed Island.
- 867. Towers of Notre Dame.
- 868. Jaspers' Gate House.
- 869. St. Nicholas du Chardonnet.

King, Charles B.

- 870. Rainy Day, Fifth Avenue.
- 871. Amsterdam.
- 872. Grand Canal.
- 873. Dixmude, Belgium.

Koopman, Augustus.

- 874. In the Café.
- 875. Dutch Sailing Master.
- 876. Brittany Fisherman.

Kruell, Gustav.

- 877. Robert E. Lee.
- 878. Daniel Webster.
- 879. W. T. Sherman.
- 880. U. S. Grant.
- 881. Abraham Lincoln.
- 882. Abraham Lincoln (with beard).
- Lent by Frederick Keppel & Co.,

Kruseman Van Elten, H. D.

- 883. Glimpse of the Ocean.
- 884. River in Holland.
- Lent by A. C. Kennedy & Co., New York.

Laffan, A.

- 885. Moonlight on the Adriatic.
- Lent by Kennedy & Co., New York.

Lander, Benjamin.

- 886. Among the Daisies.
- Lent by A. C. Kennedy & Co., New York.

Lawson, Alexander.

- 887. William Penn.
- Lent by Robert Fridenberg, Esq.

Learned, Arthur Garfield.

- 888. Young Satyr.
- 889. Sibyl.

Lemos, Pedro J.

- 890. Along the Road.
- 891. The Hillside, Lake Merritt.
- 892. At the Edge of the River.
- 893. A Summer Evening.
- 894. The Old Quarry.

Levy, Beatrice S.

- 895. Central Park Impression, New York.
- 896. Rainy Night.
- 897. Song of Summer.

Levy, William Auerbach.

- 898. The Cellist.
- 899. La Porte de l'Eglise.
- 900. The Old Model.
- 901. The Harp of the Winds.
- 902. Cécco.
- Lent by the Hahlo Gallery.
- 903. Old Rabbi.
- 904. Professor.
- 905. Portrait Study.
- Lent by the Hahlo Gallery.
- 906. In Exile.
- 907. The Patriarch's Prayer.
- 908. The Troubadour.
- 909. Blind Beggar.
- 910. Sylvia.
- 911. Quai Grand Augustins, Paris.
- 912. Old Mill.

Lewis, Allen.

- 913. La Port Guillaume.
- 914. The Obelisk.
- 915. The Landing.
- 916. Portrait of Boardman Robinson.
- 917. Little Storm.
- 918. The Green, Prospect Park.
- 919. The Procession.
- 920. The Sand Yard.
- 921. Valle de Chevreuse.
- 922. Gowanus Canal.
- 923. Metropolitan Museum.
- 924. Dead Oak.
- 925. Old Woman Reading.
- 926. Willow in the Mist.
- 927. Climbing Boy.
- 928. Roosting Pigeon.
- 929. Sleeping Dog.
- 930. Lady on the Stairs.
- 931. The Work Shop.
- 932. Paris Print Shop.
- 933. New York Harbor.
- 934. The Hard Pull.
- 935. The Closing Curtain.

Longacre, James Barton.

- 936. Andrew Jackson.
- Lent by Robert Fridenberg, Esq.

← Lum, Bertha.

- 937. Winter.
- 938. Cherry Blossoms.
- 939. Snow Balls.
- 940. Rain.
- 941. O. Yuki.
- 942. Rainy Twilight.
- 943. Bamboo Road.
- 944. Children.
- 945. Sisters.
- 946. Mist and Rain.
- 947. Junks.
- 948. Aoyagi.
- 949. Fox Women.
- 950. Pines.
- 951. Evening.
- 952. The Home Coming.
- 953. Through the Night.
- 954. O Fuji San.
- 955. Peter.
- 956. Sails.
- 957. The Bridge.
- 958. Tanabata.
- 959. Pines by the Sea.
- 960. Kites.
- 961. Temple Gate.
- 962. Goblin Dance.
- 963. On the River.
- 964. Magic Carpet.
- 965. Theatre Street, Yokohama.
- 966. Fishermen.
- 967. Bob.

Luquiens, Huc-Mazelet.

- 968. Farm Yard in Picardie.
- 969. Vanderbilt Gateway.
- 970. Phelps Gateway.
- 971. Osborn Gateway.

MacLaughlin, Donald Shaw.

- 972. A Song of Venice.
 - 973. Bernese Oberland.
 - 974. The Grimsel Pass.
 - 975. The Life of the Thames.
 - 976. La Conciérgerie.
 - 977. Quai des Grands Augustins.
 - 978. A Devonshire Village.
- Lent by Hill Tolerton, Esq.

McMillen, Mildred.

- 2482. Low Tide: Etaples.

Manley, Thomas E.

- 979. Street in Castile.
 - 980. Fish House.
 - 981. Old Shed.
 - 982. Shore Road, Oakum Bay.
 - 983. The Elms.
- Lent by The Brown-Robertson Co.

Marin, John.

- 984. Chartres Cathedral.
 - 985. Canal d' Amsterdam.
- Lent by Hill Tolerton, Esq.
- 987. Towers, Saint Germain.
 - 988. Bal Bullier.
 - 989. Ca d' Oro, Venice.
- Lent by The Brown-Robertson Co.

Marshall, William Edgar.

- 990. George Washington.
- Lent by Robert Fridenberg, Esq.

Martinez, Xavier.

- 991. Valkyrie of the Sea.
- 992. California Landscape.
- 993. Peace.

Maverick, Peter.

- 994. Rev. Edward Mitchell.
- Lent by Robert Fridenberg, Esq.

Meinhausen, George.

- 995. Andrew Jackson.
- 996. Samuel Houston.

Meinhausen, George—(Continued).

- 997. George Washington.
- 998. U. S. Grant.
- 999. Robert Fulton.
- 1000. Daniel Webster.
- 1001. Benjamin Franklin.
- 1002. Fenimore Cooper.
- 1003. Portrait.
- 1004. Rape of the Sabines (after Rubens).
- 1005. Landing of Ponce de Leon.
- 1006. Cumberland Falls (after Farny).
- 1007. Beechwood (after Lindsay).
- 1008. Washington Artillery (after Redwood).
- 1009. Eagle of Jupiter and Ganymede (after Rembrandt).
- 1010. Abraham Lincoln.
- 1012. The Chicken Woman (after Vollon).
- 1013. Sandmountain (after Lindsay).
- 1014. Hawks Nest.
- 1015. The Phantom Ship.
- 1016. The Life Boat.
- 1017. The Sun Dial (after Farny).
- 1018. A Question of Seconds (after Farny).
- 1019. John Adams.
- 1020. Chief Justice Waite.
- 1021. Three Doctors.
- 1022. John Arkwright.

Melville, Francis.

- 1023. The Wee Causway.
- 1024. The Stableward.
- 1025. The Palace, Culross, Fife.
- 1026. December.
- 1027. The Ginger Jar.
- 1028. South Bay, Long Island.
- 1029. Nan.
- 1030. The Window Seat.
- 1031. The Cobbler.
- 1032. The Late J. Q. A. Ward.
- 1033. Emelie.
- 1034. Busy.

Merrill, Katherine.

- 1035. Canterbury from St. Martin's Hill.
- 1036. St. Dunstons in the East.
- 1037. Burnham Beeches.
- 1038. Woolworth Building, from City Hall Square.
- 1039. St. Josephat's Polish Cathedral, Milwaukee.
- 1040. Where Art and Commerce Meet.
- 1041. Federal Building from Quincy St., Chicago.
- 1042. St. James' Cathedral, Montreal.
- 1043. Harper's Ferry.
- 1044. Col. Harper's House, Harper's Ferry.
- 1045. Burnside Bridge, Antietam.
- 1046. Gen. Mead's Headquarters, Gettysburg.
- 1047. Little Round Top from Devil's Glen.
- 1048. Drydocks, Newport News.
- 1049. Illinois Monument, Gettysburg.
- 1050. Lookout Mountain.

Merritt, Anna Lee.

- 1051. Grandmother's Boa.
- 1052. Cupid Bound.
- 1053. Reapers.
- 1054. The Narrow Way.
- 1055. An Emigrant Child.
- 1056. A Mother.
- 1057. A Little Quakeress.
- 1058. A Child that Wriggled.
- 1059. A Piping Shepherd.
- 1060. Oliver Wendell Holmes.

Meisner, Leo.

- 1060A. Adolescence.

- Milhan, Zella de.**
 1062. Afterglow, Quebec.
 1062. Pepperidge Trees.
 1063. The Coast.
 1064. Boats on the Nile.
 1065. The Pirates Cove.
 1066. Long Island Sand Dunes.
 1067. Lowlands.
 1068. The Pool.
 1069. The Sands.
- Miller, Addison Thomas.**
 1070. Boer Farmhouse.
 1071. Hayberg.
 1072. The Old Kirk.
 1073. The Return of the Flock.
 1074. The Ship Yard, Muidan.
 1075. Hauling Logs Through the Dunes.
 1076. A Winter Evening, Laren.
 1077. November Evening, Laren.
 1078. The Draw-Bridge, Hakkolaarshek.
 1079. The Fagot Girl.
 1080. Holland Farm House.
 1081. Gathering Fire Wood.
 1082. The Winding Road, Holland.
 1083. The Long Barn, Rumson Road.
 1084. The Valley After the Storm.
 1085. The Barnyard.
 1086. The Storm, St. Vincent de Paul, N. Y.
 1087. Oak Trees.
 1088. Moonrise on the Birches.
 1089. Spring Plowing.
 1090. The River Docks, Norwalk.
 1091. Fairy Rings.
 1092. Ali Baba's House.
 1093. Rue Ben Ali.
 1094. Rue Thebes.
 1095. Rue Kleber.
 1096. The Three Arabs.
 1097. Arab Gateway.
 1098. Old Madrid.
 1099. A Winter Moon, Laren.
 Lent by Solon H. Borglum, Esq.
- Minor, Robert C.**
 1100. Morning on the Niantic River, Conn.
 1101. Evening.
 Lent by Kennedy & Co., New York.
- Monks, John A. S.**
 1102. Rocky Road.
 1103. New England Home.
- Moran, Mary Nimmo.**
 1104. Gardner's Bay, Long Island.
 Lent by Frederick Keppel & Co., New York.
 1105. The Edge of a Georgian Pond.
 1106. Twilight, Easthampton.
 Lent by Thomas Moran, Esq.
 1107. Goose Pond.
 Lent by A. S. Macdonald.
- Moran, Peter.**
 1108. Woodland Pool.
 1109. Evening.
 1110. Spring.
 1111. Plowing the Stubble.
 1112. Return from Pasture.
 1113. July Harvest.
 1114. On the Road to Santa Fe.
 1115. Plowing.
 1116. On the Neshaminy, Morning.
 1117. On the Neshaminy, Evening.
 1118. On the Road to Albuquerque.
 Lent by George Frederick Keene, Esq.
- Moran, Thomas.**
 1119. An Old Apple Orchard.
 1120. Hook Pond, Easthampton.
 1121. A Montauk Pond.
 1122. A Turkish Bazaar.
 1123. Twilight.
 1124. The Light House.
- Moran, Thomas—(Continued).**
 1125. The Breaking Wave.
 1126. A Tower of Cortez.
 1127. Pass of Glencoe.
 1128. Harlech Castle.
 1129. Old Church of San Juan, New Mexico.
 1130. Solitude.
 Lent by Louis Katz, Esq.
- Mullgardt, Louis Christian.**
 1131. East Entrance to Varied Industries Building.
 1132. West Side of Education Building.
 1133. Carmel Mission, Carmel-by-the-Sea, California.
- Nahl, Perham W.**
 1134. Arbolado.
 1135. Redwoods at Palo, Colorado.
 1136. Arbolado No. 2.
 1137. Storm.
 1138. Pan and Syrinx.
 1139. Evening.
 1140. California Hills.
 1141. Oak and Underbrush.
 1142. The Hunchback.
 1143. Coast Scene.
 1144. Marsh and Uplands.
 1145. Monterey Cypress.
 1146. Monterey Hills.
- Newsam, Albert.**
 1147. Andrew Jackson.
 Lent by Robert Fridenberg, Esq.
- Nordfeldt, Bror J.**
 1148. California Street, S. F.
 1149. Chinatown Shops.
 1150. Crowley's Wharf.
 1151. The Edge of Chinatown.
 1152. Golden Gate Beach.
 1153. Hee Jan.
 1154. The Incoming Fog.
 1155. The Mounted Policeman.
 1156. Telegraph Hill.
 1157. The Electric Tram, Portland, Ore.
 1158. Barges on the North Branch, Chicago.
 1159. The Bessemer Converter, Chicago.
 1160. Bridge Builders, Chicago.
 1161. Calumet River, South Deering, Chicago.
 1162. The Coal Crusher, Chicago.
 1163. Entrance to the Field Museum, Chicago.
 1164. Field Museum No. 2.
 1165. Grain Elevators, South Deering.
 1166. Illinois-Michigan Canal, Chicago.
 1167. The Little Hob, Chicago.
 1168. Little Italy, Chicago.
 1169. The Logan Monument, Chicago.
 1170. The Night Shift Chicago.
 1171. The Open Hearth Furnace, Chicago.
 1172. Park Row, Chicago.
 1173. Pasq. la Scale, Chicago.
 1174. 638 S. Clark Street, Chicago.
 1175. My Mother.
 1176. The Jew of Tangier.
 1177. Sacco Grande, Tangier.
 1178. Ca di Mosto, Venice.
 1179. The House of the Madonna.
 1180. Anglers—The Mist.
 1181. The Branch.
 1182. The Bridge.
 1183. The Rock, Nahant.
 1184. The Piano.
 1185. The Skyrocket.
 1186. Small Wave, Moonrise.
 1187. The Tree.
 1188. The Illinois Ste cago.
- Norman, John.**
 1189. George Washing
 Lent by Rob

~~SECRET~~ IN MAY 1955

1000

- [illegible]

10-11-1966 11:11

- 101 New Scotland Mission
- 102 The Green Toppers
- 103 The Jackson Brewery
- 104 The Johns River No. 1
- 105 The Johns River No. 2
- 106 Cathedral of St. John the Divine
- 107 The House of a Three Master
- 108 The Impudent Life and Worth Monument
- 109 Jackson Square Tower
- 110 The Last of an Old Man
- 111 The Madison Life and Madison Square Tower
- 112 The City of Manhattan Bridge
- 113 From Washington Heights, New York City
- 114 From the Bowdoin
- 115 Trees and Rocks
- 116 Edge of the Hemlock Grove
- 117 The Old Pier Oak
- 118 Under the Brooklyn Bridge
- 119 Brooklyn Bridge from James Ship
- 120 Weathered Boat, No. 1
- 121 Weathered Boat, No. 2
- 122 Repairing the Damage
- 123 A New York Canyon
- 124 From Park Central Park, N. Y.
- 125 Construction the Bankers' Trust Building
- 126 A Public Library, No. 1
- 127 A Public Library, No. 2
- 128 A Good Game Bridge
- 129 Boatmen from Bowling Green
- 130 The City Building, Seattle
- 131 The City Street Bridge, Tacoma
- 132 From New York City
- 133 New York Towers
- 134 From a Ship, N. Y. City
- 135 Building, N. Y. City
- 136 Building, N. Y. City

ENCLOSURE 2 OF 3

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

Zone III

- [illegible]

Reindel, Wilhelm G.

1569. Siesta.
1570. The Heath.

Revere. Paul.

1571. A Conference Between Some Indian
Chiefs and Colonel Bouquet.
1572. The Mitled Minnet.
Lent by Robert Fridenberg, Esq.
1573. King Philip.
Lent by G. A. Munn, Esq.

Ritchie, Alexander Hay.

1574. The March to the Sea (by Darley).
Lent by Mrs. F. O. C. D. C.

Rosenthal, Albert.

- | | | |
|-------|-------------------------|---------------|
| 1575. | Rev. William H. Furness | |
| 1576. | Theodore Roosevelt | San Francisco |
| 1577. | William H. Taft | San Francisco |
| 1578. | Lawn Tennis Club | San Francisco |

Rosenthal, Max

- 1379 Washington
1380 Washington
1381 Franklin
1382 Franklin
1383 Edward A. H.

Rosenthal, Max—(Continued).

1584. Lincoln.
 1585. Alexander Hamilton (after Inman).
 1586. Mrs. Benedict Arnold and Child.
 1587. General John Cadwallader.
 1588. Richard Henry Lee.
 1589. Col. William S. Smith.
 1590. Col. Walter Stewart.
 1591. Charles Thompson.
 1592. Rev. Jacob Duché.
 1593. General James Wilkinson.
 1594. Col. Knowlton.
 1595. Washington (after Sharples).
 1596. Washington (after St. Memin).
 1597. Washington (after St. Memin).
 1598. St. Memin.
 1599. Napoleon (after Isabey).
 1600. Edward Savage.
 1601. Toussard.
 1602. Daniel Webster.
 1603. Daniel Webster.

Roth, Ernest David.

1604. The Arch of the Conca.
 1605. Assisi.
 1606. The Bridges, Florence.
 1607. San Gimignano, the Towers.
 1608. The Bridge, Venice.
 1609. A Venetian Doorway.
 1610. The Buttress, Ponte Vecchio.
 1611. Poplars, near Florence.
 1612. The Ghetto, Venice.
 1613. The Little Mosque, Stamboul.
 1614. A German Barn Yard.
 1615. The Gate, Venice.
 1616. On the Arno, Florence.
 1617. Piesole from San Francesco.
 1618. Florentine Roofs.
 1619. The Buttress, Ponte Trinità, Florence.
 1620. San Gregorio, Venice.
 1621. Ponte del Trinità, Florence.
 1622. A Quiet Canal, Venice.
 1623. Il Campo Margherita, Venice.
 1624. Grim Florence.
 1625. Ponte Vecchio, Afternoon.
 1626. Florence.
 1627. Ca' d'oro, Venice.
 1628. Or San Michele, Florence.

Rubins, H. W.

1629. Chicago River.
 1630. Arriving Steamer.

Ryder, Worth.

1631. Flemish Woman.
 1632. Woman of Dochau.
 1633. Alt Munchenerin.
 1634. Bavarian Girl.
 1635. The Veronese.

St. Memin, Charles B. J. Fevret de.

1636. Meriwether Lewis.
 Lent by Robert Fridenberg, Esq.

Sartain, John.

1637. Common Deer.
 1638. Sir Thomas Lawrence.
 1639. Osceola.
 Lent by Robert Fridenberg, Esq.

Savage, Edward.

1640. The Washington Family.
 Lent by Louis Katz, Esq.

Sawyer, Phil.

1641. "Whiskers."
 1642. "Mike."
 1643. The White House (color).
 1644. The White House.
 1645. "Dad" Bartlett, Miner.

von Schlegell, Gustav.

- 1645A. Venice-Salute.
 1645B. Lake St. Croix.

Schneider, Otto J.

1646. A Puritan Maiden.
 1647. La Belle Dame Sans Merci.
 1648. The Old Settee.
 1649. Maison d'un Ministre sous Louis XI.
 1650. San Germain l'Auxerrais, Paris.
 1651. Portail Central, Eglise St. Merc.
 Paris.
 1652. Portail Eglise St. Nicholas des
 Champs, Paris.
 1653. Petit rue St. Simon, Tours.
 1654. Impasse du Boeuf, Paris.
 1655. Hotel de Sens, Paris.
 Lent by Hill Tolerton.

Schoff, Stephen Alonso.

1656. The Bathers (after William M.
 Hunt).
 1657. Mrs. Harrison Grey Otis (after Gil-
 bert Stuart).
 1658. General Devens (after F. Vinton).
 Lent by Alfred Schoff, Esq.

Sensenev, George.

1659. Court of the Grey Hounds.
 1660. Devout Woman.
 1661. Chapel at Mortarlot.
 1662. Old Foot Bridge.
 1663. An Archway.
 1664. Fisherwomen of Etaples.
 1665. Pont du Cheval.
 1666. Venetian Doorway.
 1667. The Bridge of Sighs.
 Lent by The Brown-Robertson Co.

Simmons, Will.

1668. Wolf Study of a Snarl.
 1669. Otters, Playing.
 1670. Bear Cubs, the Unexpected.
 1671. Black Swans, Towards Morning.
 1672. Crane, Solitaire.
 1673. Mallard Ducks, Before the Storm.
 1674. Vultures.
 1675. White Herons.
 1676. Condors.

Sloan, John.

1677. Anshutz on Anatomy.
 1678. Man, Wife and Child.
 1679. Night Windows.
 1680. Mother.
 1681. Memory.
 1682. The Man Monkey.
 1683. The Show Case.
 1684. Fun, One Cent.
 1685. The Womens' Page.
 1686. Girl and Beggar.
 1687. The Little Bride.
 1688. Turning Out the Light.
 1689. Fifth Avenue Critics.
 1690. Roofs, Summer Night.
 1691. The Picture Buyer.
 1692. Connoisseurs of Prints.
 1692A. Ping Pong Photos.
 1692B. Gold Fish.

Smillie, James David.

1693. Double Hollyhocks.
 1694. Good Night and Sweet Dreams.
 1695. Hollyhocks.
 1696. Montrose, Pennsylvania.
 Lent by Frederick Keppel & Co.,
 New York.
 1697. Voyage of Life (set of four).
 1698. Sunny Hours.
 Lent by Louis Katz, Esq.

Smith, J. Andre.

1699. The Jewel of Venice.
 1700. The Inner Gate, San Gir
 1701. Palaces and Barges.
 1702. Towers and Domes.
 1703. The Little Foundry.
 1704. The Molo, Venice.
 1705. Quarrel Court, Abing

Smith, J. Andre—(Continued).

- 1706. The Wood Road, Connecticut.
- 1707. Sunshine and Flowers, Venice.
- 1708. Campo Fosca, Venice.
- 1709. Ponte Della Verona, Venice.
- 1710. Campo Maria Nuovia, Venice.
- 1711. The Riva, Venice.
- 1712. San Geremia, Venice.
- 1713. Campo Formosa, Venice.

Smithwick, John G.

- 1714. Penelope Boothby (after Millais).
Lent by George H. Whittle, Esq.

Squire, Maud H.

- 1715. Knitting.
- 1716. Conger Eels.
- 1717. A Peasant.
- 1718. Girl with a Basket.
- 1719. Woman and Child.
- 1720. Green Door.
- 1721. On the Quai.
- 1722. Market.
- 1723. Little Model.
- 1724. Cherries.
- 1725. Loafers.
- 1726. Sisters.
- 1727. Two Women.
- 1728. The Dispute.
- 1729. Windy Day.
- 1730. Bargaining.
- 1731. Brothers.
- 1732. Mother.
- 1733. Children on the Dike.
- 1734. At Market.
- 1735. The Portrait.

Stackpole, Ralph.

- 1736. Adele.
- 1737. Piazoni Etching.
- 1738. Adele Sewing.

Stetson, Charles Walter.

- 1738A. Landscape with Figures.
- 1738B. Evening.
- 1738C. Just after Sunset.
- 1738D. Landscape.

Steuer, Cella M.

- 1739. Old Arcaded House, Bavaria.
- 1740. Old Wall, Weisenburg Am Sand, Bavaria.
- 1741. Danauwerth, Bavaria.
- 1742. Old Mill, Holland.
- 1743. La Grare, La Niede.
- 1744. Besigheim, Württemberg.
- 1745. Helgoland.
- 1746. Ulm I.
- 1747. Ulm II.
- 1748. Evening.
- 1749. Old Street Besigheim, Bavaria.
- 1750. Old Tower, Rothenburg.
- 1751. Krapfenwald, Allee, I., Vienna.
- 1752. View of a Church.

Stevens, Dorothy.

- 1753. The Cathedral Square.
- 1754. The Merry-Go-Round.
- 1755. Antwerp Cathedral.
- 1756. Ponte Vecchio.
- 1757. Mlle. de Maupin.
- 1758. Nude.
- 1759. St. Nicola, Ghent.
- 1760. St. Jacques, Dieppe.
- 1761. La Sortie de l'Eglise.
- 1762. Hotel de la Ville, Bruges.
- 1763. Old Bridge, Bruges.
- 1764. Coppelia.
- 1765. Odalisque.
- 1766. Firenze.
- 1767. Firenze.
- 1768. Fiesole.
- 1769. Mont St. Michel.
- 1770. Gamine.
- 1771. Rue l'Ane Aveugle.
- 1772. Dinan, Brittany.

Stevens, Helen B.

- 1773. Main Building and Boat Houses, Wellesley.
- 1774. Library Cloister, Bryn Mawr College.

Stevens, Thomas Wood.

- 1775. Bridging a Ravine, Pittsburgh.
- 1776. Bow and Arrow.
- 1777. Old South Middle, Yale.
- 1778. The Yard, Harvard.
- 1779. Harper Memorial, University of Chicago.
- 1780. Clearing for the Great Staircase.
- 1781. Fountain of the Great Lakes.
- 1782. Blair Arch, Princeton.
- 1783. Cadet Barracks and Chapel, West Point.

Strickland, William.

- 1784. Meriwether Lewis, Esq.
Lent by Robert Fridenberg, Esq.

Sturges, Dwight C.

- 1785. The Promised Land.
- 1786. Path Through the Pasture.
- 1787. An Old Hebrew.
- 1788. Sisters.
- 1789. The Three Elms.
- 1790. Portrait, Mrs. S.
- 1791. Adams Square, Boston.
- 1792. A Late Cottager.
- 1793. Still Waters.
- 1794. Alone.
- 1795. Wharf, Boston.
- 1796. Stamp Collectors.
- 1797. Home from the Banks.
- 1798. Portrait Mr. Washburn.
- 1799. Nude.
- 1800. Road Around the Hill.
- 1801. My Father.
- 1802. Scollay Square, Boston.
- 1803. Solitaire.
- 1804. Little Girl Dressing.
- 1805. Essex Marshes.
- 1806. The Old Flute Player.
- 1807. My Little Model.
- 1808. Park Street and State House, Boston.
- 1809. Portrait, Miss C.
- 1810. Along the Merrimac.
- 1811. Study Head.
- 1812. The Bed Time Story.
- 1813. Portrait, Dr. Samuel Green.

Tallmadge, Thomas E.

- 1814. Old Sugar Warehouses.
- 1815. Structural Steel.
- 1816. Calle St. Ignacio, Havana.

Tanner, Benjamin.

- 1817. John Adams.
Lent by Robert Fridenberg, Esq.

Tiebout, Cornelius.

- 1818. Right Rev. William White,
Lent by Robert Fridenberg, Esq.

Trenchard, James.

- 1819. Major General Greene.
Lent by Robert Fridenberg, Esq.

Twachtman, John H.

- 1820. Shore Cottages.
- 1821. Boat Landing.

Vanderhoof, Charles A.

- 1825. Solitude.
Lent by A. S. Macdonald, Esq.

Vondra, John C.

- 1826. Prague Bridges.
- 1827. Nicholas Church from Mostecka St.
- 1828. St. Nicholas Church (Russian), Prague.
- 1829. S. Maria della Salute, Venice.
- 1830. Street on Hradany, Prague.

Vondrous, John C.—(Continued).

- 1831. Old Houses, Prague.
- 1832. Market Place, Prague.
- 1833. St. Nicholas Church, Prague.
- 1834. An Old House, Slavofov, Bohemia.
- 1835. Bridge of St. Charles the Fourth, Prague.
- 1836. Old Town Hall, Prague.
- 1837. Tyn Church Portal, Prague.
- 1838. Tyn Church, Prague (Nocturne).

Warner, Everett.

- 1839. Moonlight, Montrenil.
- 1840. Brooklyn Bridge.
- 1841. Rue Jerzual, Dinan.
- 1842. Montrenil Mills.
- 1843. A Bavarian Church.
- 1844. Phelps Gateway.
- 1845. Brothers and Linnonia.
- 1846. Memorial Tower.
- 1847. Harvard Hall.

Warner, William.

- 1848. Sir Charles Metcalf.
Lent by Robert Fridenberg, Esq.

Washburn, Cadwallader.

- 1849. Liberal Arts Bldg., The Entrance.
- 1850. A Sharp Turn, Cuernavaca.
- 1851. A Quiet Inlet, Oceanport.
- 1852. Boats—Brielle.
- 1853. Sailing Boat Ashore.
- 1854. Bay Head in Distance.
- 1855. Quiet Hour.
- 1856. Wash of the Tides.
- 1857. Where Boats Beach.
- 1858. High Noon, Manasquan.
- 1859. Siesta, Cuernavaca, Mexico.
- 1860. Caracola Road No. 2, Cuernavaca, Mexico.
- 1861. Boats Landing.
- 1862. The Cathedral of Leon.
- 1863. West Facade of la Valenciana.
- 1864. West Side of Templo Parroquiale, Toxco, Mexico.
- 1865. Front Facade of la Valenciana.
- 1866. A Riverside Path, Manasquan River.
- 1867. Glimpse of Manasquan River.
- 1868. Low Tide, Seaside Park.
- 1869. Man with Sombrero.
- 1870. Boats on the Beach.
- 1871. Fishermen's Return.
- 1872. Afternoon Tranquillity.
- 1873. Bridge at Mantaloking.
- 1874. Peon with Zarape.
- 1875. Ebbing Tides.
- 1876. Crabbing, Brielle.
- 1877. Sandy Road.
- 1878. Bridge at Brielle.
- 1879. The Heights, Cuernavaca, Mexico.
- 1880. Stone Bench, Borda Garden, Cuernavaca.
- 1881. Valley Path, Cuernavaca.
- 1882. Portfrio Diaz Park.
- 1883. Templo de Salud Mixcoac, Mexico.
- 1884. Sagrario Metropolitano, Mexico City.
- 1885. Santa Maria in Distance, Cuernavaca, Mexico.
- 1886. Borda Garden in Distance, Cuernavaca, Mexico.
- 1887. Tower of Templo Parroquial, Toxco.
- 1888. Dragon Font at Kujomisu Dera Temple, Japan.
- 1889. Road to Cuernavaca, Mexico.
- 1890. The Great Arch.
- 1891. Building the Dome.
- 1892. The Derrick.
- 1893. The Flagstaff.
- 1894. Sunlight and Shadow.
- 1895. The Doorway.
- 1896. The Scaffolding.
- 1897. The Half Dome.

Watt, William G.

- 1898. The Harvest (after L'hermittee).
- 1899. The Apple Gatherers (after Anderson).
- 1900. The Pool.
- 1901. A Music Party (after Metsu).
- 1902. The Ring (after Alexander).
- 1903. A Russian Lady (after Fechin).
- 1904. Andromeda (after Duran).
- 1905. Carcassonne (from Photo).
- 1906. Book Plate by Chas. S. Chapman.
- 1907. Book Plate by Chas. S. Chapman.
- 1908. Fancy Head.
- 1909. Mr. Ranier (after Perard).
- 1910. Book Plate.
- 1911. Illustration (after Birch).

Webster, Herman A.

- 1912. The Bridge, Frankfort.
- 1913. Ancienne Faculté de Médecine, Paris.
- 1914. Notre Dame des Andelys.
- 1915. Le Pont Neuf, Paris.
- 1916. Old Court, Sachsenhausen.
- 1917. La Route de Louviers.
- 1918. The Quartier St. Jean.
- 1919. Der Langer Franz.
- 1920. St. Saturnin, Toulouse.
- 1921. Le Pont Notre Dame.
- 1922. La Rue St. Jacques.
- 1923. Old Houses on the Quai.
- 1924. L'Institut.
- 1925. Les Blanchisseuses.
- 1926. La Maison Meline.
- 1927. Old Man's Head.
- 1928. The Clock Makers.
- 1929. Vieux Marche, Marseilles.
- 1930. Sur le Quai Montebello.

Wehrschmidt, Daniel A.

- 1931. In An Irish Creamery.
- 1932. The Bathing Tent.
- 1933. The New Slave.
- 1934. You Shall Also Mount with Me.
- 1935. The Hedge Cutter.
- 1935A. The Old Shepherd.
- 1935B. The Baby Bacchus.
- 1935C. Old Hall.

Weir, J. Alden.

- 1936. Portrait of Robert Weir.
- 1937. Portrait of H. O. Weir.
- 1938. The Evening Lamp.
- 1939. Portrait Figure.
- 1940. Arcturus.
- 1941. Portrait of Dr. Robert F. Weir.
- 1942. The Little Student.
- 1943. Child with Dog.
- 1944. Portrait of John F. Weir.
- 1945. The Guitar Player.
- 1946. Portrait by Candlelight.
- 1947. Coon Alley.
- 1948. Still Life.
- 1949. On the Perch.
- 1950. Head.
- 1951. Mother and Child.
- 1952. The Hay Stacks.
- 1953. Roscoe's Barn.
- 1954. The Picture Book.
- 1955. Head.
- 1956. Sketches.
- 1957. The Little Fountain.
- 1958. The Little Pump.

Wellington, F. H.

- 1959. Girl at the Piano (after Painting by Harry Townsend).
Lent by Ray Brown, Esq.

Westrum, Anni Von.

- 1960. Windmill.
- 1961. Old Baltic Farm House.
- 1962. Birches.

Wetherill, Elisha Kent Kane.

- 1963. The Triangle.
- 1964. Gateway, Bryn Mawr.
- 1965. Ben Hawkin's Blacksmith Shop.
- 1966. The Archway.
- 1967. The Shacks.
- 1968. Brooklyn Bridge.
- 1969. The Sooty Shop.
- 1970. Camden Court House.
- 1971. The Goose Shop.
- 1972. The Tenements.
- 1973. The Coal Hoist.
- 1974. The Back Street.
- 1975. Bayle's Ship.

Whistler, James Abbott McNeill.

- 1976. Doorway and Vine.
- 1977. Black Lion Wharf.
- 1978. Rotherhithe.
- 1979. Traghetto.
- 1980. Becquet.
- 1981. San Giorgio.
- 1982. Weary.
- 1983. Two Doorways.
- 1984. Long House, Amsterdam.
- 1985. Long Venice.
- 1986. Square House, Amsterdam.
- 1987. The Little Mast.
- 1988. San Biagio.
- 1989. Drouet.
- 1990. Lime Burner.
- 1991. Piazzetta.
- 1992. Salute at Dawn.
- 1993. The Palace.
- 1994. Vielle au Loques.
- 1995. The Riva, No. 1.
Lent by William M. Ladd, Esq.
- 2001. Blacksmith Shop.
- 2002. Model and Child.
Lent by William M. Ladd, Esq.
- 2003. The Little Nude Model Reading.
- 2004. The Dancing Girl.
- 2005. Stephane Mallarme.
- 2006. La Fruitiere de la Rue de Grenelle.
- 2007. The Smith, Passage du Dragon.
- 2008. Little London.
- 2009. The Thames.
- 2010. Study: Maude Seated.
- 2011. Unfinished Sketch of Lady Haden.
- 2012. Draped Figure, Standing (in colors).
- 2013. Draped Figure, Reclining (in colors).
- 2014. Terrace: Luxembourg.
- 2015. A Duet.
- 2016. Savoy Pigeons.
- 2017. Nude Model Standing.
Lent by Hunt Henderson, Esq.

White, Charles Henry.

- 2023. The Old Courtyard.
- 2024. Rue de l'Ane Aveugle.
- 2025. San Remo.
- 2026. Old Manoir.
- 2027. La Rue de la Paix.

Wilke, William H.

- 2028. The Viaduct.
- 2029. Bill.
- 2030. The Wood Road.
- 2031. The Hay Barges.
- 2032. At the Dock.
- 2033. Telegraph Hill, San Francisco.
- 2034. The Forest.
- 2035. A Study.
- 2036. Toward the Bay.

Williams, J. Scott.

- 2037. In September.
- 2038. The Ship Blacksmith Shop.

Winslow, Henry.

- 2039. Saint Paul's.
- 2040. The Spire.
- 2041. London Bridge.
- 2042. Pont de l'Arche.
- 2043. The Wanderer.
- 2044. The Carpenter's Shop.

Winslow, Henry—(Continued).

- 2045. The Beeches.
- 2046. The Old Square.
- 2047. Wood Monsters.
- 2048. Westminster Cathedral.

Winthrop, Newman V.

- 2049. Alice.
- 2050. Washington.
Lent by Robert Fridenberg, Esq.

Wolf, Henry.

- 2051. Evening, Swan Lake, Central Park, New York.
- 2052. Lower N. Y. in a Mist from a Penn. R. R. Boat.
- 2053. Morning Mists.
- 2054. River Scene, La Riviere a la Tour Lointaine (after Corot).
- 2055. Recreation (after Coutara).
- 2056. Don Balthasar Carlos (after Velasquez).
- 2057. The Boy with a Sword (after Manet).
- 2058. Woman at the Window (after Vermeer).
- 2059. Girl with Fruit (after Ambrogio da Preda).
- 2060. Abraham Lincoln's (enlarged after small print by Brady).
- 2061. Wm. M. Trackeray (from drawing by Lawrence).
- 2062. Robert L. Stevenson (from snap shot).
- 2063. Joseph Pulitzer (after Sargent).
- 2064. Portrait Sketch (unfinished) (after Whistler).
- 2065. Beatrice d'Este (after da Vinci).
- 2066. Portrait of a Girl (after Velasquez).
- 2067. My Mother (after Whistler).
- 2068. Thomas Carlyle (after Whistler).
- 2069. Miss Alexander (after Whistler).
- 2070. Lady with a Lute (after Vermeer).
- 2071. A Madonna (after Botticelli).
- 2072. The Mussel Gatherers (after Homer D. Martin).
- 2073. A Gentlewoman (after Weir).
- 2074. A Spanish Countess (after Goya).
- 2075. Homeward (after Dessar).
- 2076. The Music Room (after Whistler).
- 2077. Young Lady with Poppy Flower (after Loeb).
- 2078. Miss Nelthrop (after Lawrence).
- 2079. The Fur Jacket (after Whistler).
- 2080. Kitty Fisher (after Reynolds).
- 2081. A Northeaster (after Homer).
- 2082. Lizzie Lynch (after Weir).
- 2083. The Goldfish (after Hubbell).
- 2084. Little Lady Sophie of Soho (after Whistler).
- 2085. A Danish Princess (after Holbein).
- 2086. Portrait of a Lady (after Shannon).
- 2087. Landscape (after Dewey).
- 2088. Lady with Handmirror (after Wiles).
- 2089. Portrait of a Girl (after Emmett).
- 2090. Mother and Child (after M. Cassatt).
- 2091. Portrait of the Engraver, H. Wolf (after Wiles).
- 2092. The Sonata (after Wiles).
- 2093. Alice (after Chase).
- 2094. Lady with the White Shawl (after Chase).
- 2095. Gathering Autumn Leaves (after Chase).
- 2096. A Lady in Black (after Chase).
- 2097. The Artist's Daughter (after Chase).
- 2098. The Christmas Tree (after Weir).
- 2099. The Green Bodice (after Weir).
- 2100. The Bent Tree (after Corot).
- 2101. Hon. Jos. H. Choate (after Sargent).
- 2102. Jos. Jefferson as Dr. Pangloss (after Sargent).
- 2103. The Coral Necklace (after Tarbell).

Wolf, Henry—(Continued).

- 2104. Lady Stanhope (after Reynolds).
- 2105. Mercedes (after Mora).
- 2106. El Conde, Duque Olivares (after Velázquez).
- 2107. Geo. Washington (after Stuart).
- 2108. Chevalier Yrujo (after Stuart).
- 2109. Portrait of Trumbull (after Stuart).
- 2110. Portrait of Miss Mierken (after Stuart).
- 2111. Portrait of Miss Plumstead (after Stuart).
- 2112. Portrait of Miss Morris (after Stuart).
- 2113. Portrait of Mrs. Lea (after Stuart).
- 2114. Portrait of Mrs. Otis (after Stuart).
- 2115. Portrait of Mrs. Gotliff (after Stuart).
- 2116. Portrait of Mrs. Griffith (after Stuart).
- 2117. Portrait of Mrs. Nancy Pennington (after Stuart).
- 2118. Angel with the Flaming Sword (after Blashfield).
- 2119. The Promenader (after Monsel).
- 2120. Open Air Meeting (after Monsel).
- 2121. The Tiger (after Menzel).
- 2122. Courting (after Hales).
- 2123. Evening in Normandy (after Dearth).
- 2124. The Fox Hunt (after Homer).
- 2125. Eight Bells (after Homer).
- 2126. A Normandy Farm (after Martin).
- 2127. The Harp of the Winds (after Martin).
- 2128. Early Ploughing (after Walker).
- 2129. A Favorite Corner (after John W. Alexander).
- 2130. The Mirror (after John W. Alexander).
- 2131. A Flower (after John W. Alexander).
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462. Melting Snow.
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473. Self Portrait.
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481. Expectant Mother.
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485. Woman with Hand to Her Breast.
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486. Woman with Velvet Ribbon.
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487. Woman Sitting.
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488. Woman: Head Turned.
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490. Woman with Child in Her Lap.
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503. Gypsy Woman.

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504. Portrait: Countess Lajos Batthyanyi.
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505. Women with Mirror.
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506. Promenade: Lake Balaton.
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507. Woman with Cat.
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508. Peasant Girl's Head.
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510. Nude.

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611. Woman with Sheaf.
612. Portrait Bust.
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613. Dante.
614. Beatrice.

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615. Madonna.

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616. Portrait: Pope Pius X.

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617. Elephant.
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618. Portrait Bust Medal.

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Arranged by Dr. Meller Simon.

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DR. CUPERTINO DEL CAMPO

Special Delegate of Fine Arts

**Director of the National Museum of Fine
Arts of Buenos Aires.**

MR. JUAN C. OLIVA NAVARRO

Commissioner of Fine Arts

**Curator of the National Museum of Fine
Arts of Buenos Aires**

MR. HORACIO ANASAGASTI

Commissioner General of the Argentine Republic

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CHEN CHI

Commissioner General

C. Y. YEN

Commissioner of Fine Arts

TU KWEN-HUA

Secretary

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Wang Wen-Ming.

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4. Strass Bottle: Lotus Flowers.

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5. Strass Bottle: Portrait of Chuan-kuei.

Teh Chang.

6. Strass Vase in Gourd Shape.

Long Hong-mu.

7. Strass Vase: Pine, Bamboo and Prunus.
8. Strass Pen-holder: Pine, Bamboo and Prunus.

REPRODUCTION OF KANG SI PORCELAIN.

Wang Teh Chang.

9. Tea Cups: Colored Flowers.
10. A Pair of Genii.
11. Prunus Vase: Clustering Flowers.
12. Fish Tail Vase: Red Background.
13. Rich Colored Jar.
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15. Colored Plate.
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18. Tea Cups: Flowers on Red Background.

Hsun Tsong-li.

19. Canister: Beauties.
20. Square Vase: Flowers.
21. Vase: Landscape.

Yu Hsun.

22. Jar in Squash Shape.

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Wang Teh-Chang.

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24. Vase: Official Promotion.
25. Colored Jar.

Yu Hsun.

26. Flower Basket shaped Vase: Human Figures.

Hsun Tsong-li.

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28. Vase: Human Figures on Blue Background.
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REPRODUCTION OF MING PORCELAIN.

Wang Teh Chang.

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REPRODUCTION OF YONG CHUN PORCELAIN.

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Hsun Tsong-li.

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Chen Tsun-heo.

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46. Distracted Monk.
47. Scratching Figure.
48. Plowman and Herdmen.

Chen-tu.

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Cheo Mei-ko.

50. Buddha Image.
51. Carved Picture.

Wang Hsun.

52. Carved Screen in Tabasheer Cloisssonne Works.

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55. Silver Colored Badge for 2nd Grade.
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57. Tiger Badge of 1st Order.
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59. Monster Tripod in Enamelled Silver.
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Teh Hsin Chen.

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90. Bronze Lined Square Jar.

Teh Chang.

91. Scepters Filled with Various Gems.
92. Victim Shaped Vessel.
93. Pictured Screen: Five Relationships Inlaid.
94. Big Lions.
95. Palatial Censer.
96. Pictured Screen: Happiness and Long Life Inlaid.
97. Big Vase.
98. Screen with Inliad Pictures.
99. Peach Adorned Globe Vase.

Yong Tien H.

100. Light Blue Vase.
101. Sky Blue Vase.
102. Gold Leaf Flowered Vase.
103. Fish Canister.

Lao Tien-H.

104. Rich Colored Vase.
105. Tripod: Portrait of Ancient Monarch Yao.
106. Tripod: Portrait of Ancient Monarch Shun.
107. Tripod: Portrait of the Late Empress Dowager.
108. Tripod: Portrait of President Yuen.
109. Tripod: Portrait of Vice-President Li.

LACQUER WORKS, PAINTED, MOULDED, OR CARVED.**Chuen Shi-so.**

110. Bowl in Begonia Shape.
111. Lacquered Crab.

Hsun Chun-kao.

112. Oval Plate.
113. Nut Dish.
114. Sky Blue Vase.
115. Set of Five Boxes.
116. Vase in Apple Color.
117. Card Case in Bamboo Knot Shape.
118. Box: Pine and Stork.
119. Tripod Vessel.
120. Small Vessel.
121. Fruit Box.
122. Buddha Image.
123. Vase with Paintings.
124. Vase: Emperor Thrice Visits Hermit.
125. Figure: Goddess of Mercy.
126. Clock Stand: Greens and Rabbit Adorned.
127. Tray in Lotus Shape.
128. Set of Five Oval Boxes.
129. Lichee Box.
130. Lotus Seeds Plate.
132. Pomegranate Box.
133. Paper Weight in Tortoise Shape.
134. Apple Colored Card Case.
135. Card Case in Melon Shape.
136. Copper Colored Card Case.
137. Handkerchief Box.
138. Vase with Scene Paintings.
139. Small Apple Colored Vase.
140. Sky Blue Vase Scene Paintings.
141. Octagon Box with Paintings.
142. Rectangular Box with Paintings.
143. Round Box: Butterflies.

Lin Chin-an.

144. Vase Painted with Prunus.
145. Figure: God of Longevity Riding Stork.
146. Figure: Goddess of Mercy.
147. Compartment Box.
148. Crab Weir.
149. Triple Prosperities Designed Tray.
150. Lotus Leaf Shaped Fruit Dish on Coral Color Seal.

Wang Hong hsien.

151. Picture in Gold Embossings.

Kee Ku-kai.

152. Case in Begonia Shape.
153. Citron Box.
154. Rectangular Tray.
155. Napkin Rings.
156. Case in Begonia Shape.
157. Flat Box.
158. Vase.
159. Tea Pot.
160. Tray.
161. Round Box.
162. Box in Peach Shape.
163. Square Box.
164. Big Round Box with Dragon Carved.
165. Citron Box.
166. Box in Peach Shape.
167. Vase.
168. Tray in Begonia Shape.
169. Cross Tablet in Open Book Form.
170. Deep Tray.
171. Shallow Tray.
172. Napkin Rings.
173. Screen: Pictures Incised and Filled.

Chao Yong-tsun.

174. Box.

Teh Chang.

175. Box: To Ask the Way.
176. Hexagon Box: Chinese Character Carved.
177. Tray with Dragon Carved.
178. Vase in Scepter Shape.
179. Two-Seated Bench Decorated with Brocade.
180. Chair Decorated with Brocade.

Yong Teh Chang.

181. Jewel Locker.

PRECIOUS STONES AND MARBLES.**Cheo Ts Shan.**

182. Vase in Cloud Color.
183. Leaf Wrist Vase.
184. Vase: Prunus and Stork.
185. Vase: Turned-up Lotus Leaf.
186. Seal Stone in Nectar Color.
187. Box in Melon Shape.
188. Vase with Paeony Carved.
189. Vase with Bamboo Carved.
190. Vase with Mountain Ridge Carved.
191. Seal Stone.
192. Figure of Seven Sages.

King Hsien-san.

193. Screen.

Cheo Ting-lan.

194. Vase: Prunus and Bamboo.

Chen-tu.

195. Green Stone Pen Bowl with Engravings.

Teh Pao-kai.

196. White Jade Carved Screen.
197. Fine Carved Mandarin Duck in White Jade.
198. Couple Phoenix Jar in White Jade.

Teh Chang.

199. Crystal Carved Figure of Ma Ku.
200. Jasper Censer.
201. Set of Three Chrysoprase Ornaments.
202. Crystal Scepter.

Chen Yu-chuan.

203. Fine Carved Chrysoprase Censer.

Teh Hsin-suei.

204. Carved Awa Censer.

Pao Hua-leo.

- 205. Chrysoprase Fob with Movable Rings.
- 206. Jade Carved Fob in Bean Shape.
- 207. Jade Fob with Lizard Carved.
- 208. Jade Fob with Lizard and Paeony Carved.
- 209. Jade Carved Fob in Mandolin Shape.
- 210. White Jade Fob with Squirrel Carved.
- 211. Clouded Jade Fob with Gem Bead.
- 212. Gold Gilt Silver Case with Inlaid Gems.
- 213. Screen Adorned with Carved Gems Inlaid.

Hsin Ku kai.

- 214. Sacrificial Vessel in White Jade.

Yu Yuen-heo.

- 215. Coin Shaped Fob in White Jade.
- 216. Dragon Shaped Fob in White Jade.
- 217. Jade Fob with Engravings.

Yeh Ku-kai.

- 218. Tea Crystal Vase.

An Ti sing.

- 219. Opaque Crystal Bottle.

STRASS WORK PAINTED INSIDE.**Wang Hsao-ting.**

- 220. Snuff Bottle: Lotus Flowers and Fish.
- 221. Strass Bottle: Scene and Gold Fish.

Mat Hsao-shien.

- 222. Snuff Bottle: Belle.
- 223. Snuff Bottle: Rabbits in the Field.
- 224. Snuff Bottle: Antiques.
- 225. Strass Bottle: Hill Scene in Winter.
- 226. Strass Bottle: Lotus, Swallows and Fish.
- 227. Strass Bottle: Cowboy.
- 228. Strass Bottle: Portrait of President Wilson.
- 229. Strass Bottle: Portrait of President Yuen.
- 230. Strass Bottle: Looking for Prunus Blossoms.
- 231. Strass Bottle: Looking at Lotus Flowers.
- 232. Strass Bottle: Crickets Playing.
- 233. Strass Bottle: Portrait of Vice-President Li.
- 234. Strass Bottle: Studying in Autumn Night.
- 235. Strass Bottle: Portrait of Late Statesman Li.
- 236. Two Bottles: Portraits of President and Mrs. Wilson.
- 237. Bottle: Portrait of Ma Hsao-shien.

STRASS WORK, CARVED OR STAIN SUPERADDED.**Chuei Ting Chang.**

- 238. Red Bottle: Stain Superadded.
- 239. Light Colored Wash Cup.

Yu Yuen-heo.

- 240. Bottle in Light Color.
- 241. Carved Vase.

Suei Wen-kai

- 242. Red Superadded Bottle in Gourd Shape.
- 243. Bottle with Lizard Carved.

Tong tai.

- 244. Carved Vase: Stain Superadded.

Li Chang-tai.

- 245. Carved Bottle.
- 246. Bottle with Fish Carved.

Teh Chang.

- 247. Bottle: Fir and Eagle Carved.
- 248. Bottle: Lizard Carved.
- 250. Bottle: Antiques Carved.
- 251. Bottle: Late Begonia Carved.
- 252. Bottle: Lotus Leaf and Fish Carved.
- 253. Bottle: Lizard Carved.
- 254. Bottle: Carp Carved.

Pao Hua-leo.

- 255. Bottle: Geese and Lotus Flowers.

FRUIT STONES CARVING.**Canton Local Commission.**

- 256. Olive Kernel Boats.

Hsin Yeh.

- 257. Flower Pots.
- 258. Small Boat.
- 259. Olive Kernel Skiffs.

PITH PAPER AND STRAW WORKS.**Kuan Wen Kai.**

- 260. Pith Paper Picture: Late Geranium.
- 261. Pith Paper Picture: Flowers.
- 262. Pith Paper Picture: Cherries and Birds.
- 263. Pith Paper Picture: Flowers of All Seasons.
- 264. Pith Paper Picture: Olea Fragrans.
- 265. Picture: Prunus and Crysanthemums.

Kui Hsu Yuen.

- 266. Straw Portrait: President Wilson.

DESIGNED PATTERNS.**Heo Ki-Chang.**

- 267. Carpet Design: Tide Scene.
- 268. Carpet Design: Flower Picture.
- 269. Carpet Design: Auspicious Sign.
- 270. Carpet Design: Hall Scene, Full of Rich and Noble.
- 271. Carpet Design: Abundance, Nobility, and Longevity.
- 272. Carpet Design: Hundred Butterflies.
- 273. Carpet Design: Blooming Flowers and Plants.
- 274. Carpet Design: Delightful Scene.
- 275. Carpet Design: Flower Picture.
- 276. Carpet Design: Sweet Flowers and Plants.

IVORY AND SHELL, CARVED OR PAINTED.**Yu Hsiao-shien.**

- 277. Ivory Fob: Prose Writings Cut.
- 278. Nap-tie Pin Top Piece Ivory: Sketch Writings Cut.
- 279. Nap-tie Pin Top Piece Ivory: Verse Writings Cut.
- 280. Ivory Fob: Ten Commandments Cut.
- 281. Ivory Fob: Seven Verses Cut.
- 282. Ivory Fob: Prose Writings Cut.
- 283. Ivory Screen: Sketch Writings Cut.
- 284. Ivory Screen: Ballad Writings Cut.
- 285. Brooch Top Piece Ivory: Picture Cut.
- 286. Brooch Top Piece Ivory: Verses Cut.

Li Hsao-yu.

- 287. Ivory Carved Ball in Ten Layers.
- 288. Ivory Carved Ball in Eight Layers.
- 289. Ivory Carved Ball in Seven Layers.
- 290. Ivory Carved Ball in Nine Layers.
- 291. Ivory Carved Ball in Seven Layers.
- 292. Ivory Carved Ball in Twenty Layers.
- 293. Tusk with Flowers Carved.
- 294. Tusk with Flowers Carved.
- 295. Ivory Carved Ball in Twelve Layers.
- 296. Ivory Carved Ball in Eleven Layers.
- 297. Ivory Carved Ball in Fifteen Layers.
- 298. Ivory Carved Ball in Sixteen Layers.
- 299. Ivory Carved Ball in Thirteen Layers.

Canton Local Commission.

300. Ivory Carved Ball in Twenty-seven Layers.
 301. Ivory Penholder: Picture Painted in Gold.
 302. Ball with Top and End in Fifteen Layers.

Li Hoo Yeh.

303. Fine Carved Picture, Frame in Ivory.

Ren Yee Suen.

304. Eight Majestic Horses Carved in Ivory.

Fong Kong-tu.

305. Ivory Carved Goddess of Mercy.
 306. Ivory Carved Nude Belle.

Lien Hsun-hao.

307. Ivory Carved Ball in Twenty-eight Layers.
 308. Ivory Carved Lotus Boat.
 309. Ivory Eight-Layer Ball with Unfinished Model.
 310. Ivory Carved Pen-holder.
 311. Five-Storyed Pagoda, Carved in Ivory.
 312. Flowers Carved in Tusk.

Ohuan San-ho.

313. Shell: Flowers and Birds in Gold.
 314. Carved Shell.
 315. Shell: Moonlight Scene on the Pearl River.
 316. Shell: Five-Storyed Buildings in the Goat City.

EMBROIDERY AND SILK PAINTING.**Mrs. Yu Shen-shoo.**

317. Embroidered Portrait of Princess Victoria Louise.
 318. Embroidered Portrait of Jesus Christ.
 319. Embroidered Spirited Horses.

Miss Yu Tsin-fang.

320. Embroidered Gambling Cats.

Miss Yu Shu-tze.

321. Embroidered Snow Scene of the Gold Turret Temple.

Sun Hen-tai.

322. Picture: Puss and Butterfly.

Yu Tao.

323. Picture of Soochow City.
 324. Picture of Empress Yang after Bathing.

Wen Hsun-kai.

325. Gauze Lantern (12") Human Figures Painted.
 326. Square Gauze Lantern: Paintings.
 327. Palatial Gauze Lantern (14") Paintings.
 328. Palatial Gauze Lantern (12") Paintings.
 329. Palatial Gauze Lantern (8") Paintings.
 330. Palatial Gauze Lantern (12") Paintings.

PAINTINGS AND DRAWINGS.**Liu Tsz-hsin.**

331. Finger Drawing: Flowers of All Seasons.
 332. Finger Drawing: Swallows Returning to Bridge.
 333. Finger Drawing: Ancient Cypress Scrapping Clouds.

Wang Hsi-kai.

334. Rustling Trees and Bubbling Springs.
 335. Autumn Scene.

Li Hsao.

336. A Belle in Summer.
 337. A Belle Picking Prunus.

Lin Hsu.

338. Kiang Nan Willow Green.
 339. Ancient Fir on Grand Mount.
 340. Folding Screen: Scenes of Four Seasons.

Hwang Lu-nien.

341. Landscape on Fan Covering.

Nu Su Nen.

342. Landscape on Fan Covering.

Miss Chen Su-kong.

343. Landscape on Fan Covering.

Su Cheu-lien.

344. Four Scrolls: Flowers of Four Seasons.

Fu-Su-Shan.

345. Heroine Going to War.
 346. Brush Drawing: Portrait of President Yuen.
 347. Brush Drawing: Portrait of Vice-President Li.

Kiang Ying-seng.

348. Hall Picture: Snow Scene.

Chang Chen.

349. Morning Breeze Over the Willow Land

Chen Hual.

350. Fan Covering: All Flowers.

Mo Fong Si.

351. Oil Painting: Peking City Tower Scene.

Chen Mai-cheo.

352. Framed Picture: Human Figures.

Hwang Ki-fang.

353. Picture of Lao Mountain.
 354. Picture of Hsao Mountain.
 355. Picture of Nou Chang Mountain.
 356. Picture of Ni Mountain.

Lo Yong.

357. Fairyland.

Sao yu-sien.

358. Happiness in Fisherman's Home.

Han Si-su.

359. Imperial Touch at Distance.

Yu Chin-po.

360. Ancient Vessels with Paintings.

Kao Siao-shan.

361. Weaving Brocade.
 362. Chao Chun, the Heroine, Journeying Over the Border.

Kao Ki-fong.

363. Falling Flowers.
 364. The Drake and Duck.

Kao Chien-fu.

365. Rain Stopped.
 366. Field Pond.

Miss Shin Ying-chin.

367. Folding Screen: Flowers of All Seasons.

Hsiao Suin.

368. Landscape.

Yo Tsai-chen.

369. Ten Scrolls: Colored Flowers and Birds.

Hsun Tsong-li's Collection.**Ku Lu-tsz, Imitating Kien Li's Painting.**

370. Landscape in Bright Colors.

Ku Ying, Imitating Hoang Yong-fei's Painting.

371. Portrait of Amitabha.

Ku Kao-chuen, Imitating Ming Dynasty.

372. Genie Riding on Wind.

Hsa Fu-ching imitating Chen Ku-tsong's Painting.

373. Autumn Moon: Under Palace of Han.

374. Tsao Ta-ku Making Lecture.

Liu Sun-fu's Collection.

Ma Chen.

375. Eight Immortals.

Chao Tzu-ang.

376. Landscape.

Li Yang-chih.

377. Landscape.

Chiao Shan-fu.

378. Figures.

Ho Pi-chuan.

379. Figures.

Chu Jui.

380. Turning Horses.

Kao Chi-pai.

381. Cats.

Liu I-Tsu.

382. Mandarin Ducks.

Chao Chien-li.

383. Landscape.

Liu Sung-mien.

384. Landscape.

Sun Pai.

385. Landscape.

Kuo Hsu.

386. Landscape.

Jen Wei Chang.

387. Bamboo Study.

Hui Tsung.

388. Reeds and Ducks.

389. White Eagle.

Pien Lu.

390. Peacocks.

Pien Shou-mien.

391. Geese and Rushes.

Lu Han Chen.

392. Small Boys.

Hsi Hsi.

393. Study of Cats.

Ma Yuan.

394. Painter Seeking Inspiration on Donkey.

Cheng Tzu Chao.

395. The Affairs at Dawn.

Wang I.

396. A Street Vendor.

Wang Fei.

397. Study of Tigers.

Ku Chien Lung.

398. Wang An Shih Making Merry with His Friends.

Pao Yun Ting.

399. Tao Yuan.

400. Tung Fong Su at the Golden Horse.

Wu Chen.

401. Bamboos in Wind and Rain.

Unsigned.

402. Yang Chien or Heavenly General.

403. Shakyamuni.

404. Traveling on the Roads of Szechuen.

Wang Chien Feng.

405. Lady Ho Shien Ku.

Tang Yu Sheng.

406. Landscape.

Cha Shih Piao.

407. Landscape.

Lan Tao.

408. Landscape.

Lan Sheng.

409. Landscape.

Cheng Man Sheng.

410. Landscape.

Tang Ying.

411. Landscape.

412. Woman and Child.

Yu Chi Ting.

413. Chu Ko Liang.

Nen Wei Ching.

414. Butterflies.

Hsu Tsan.

415. Sparrows Among Plum Blossoms.

Ma Chiang Chuan.

416. Birds and Flowers.

Chen Pao Chio.

417. Bamboos.

Hung Hsin.

418. Study of Flowers.

Album Collection.

419. Pictures.

420. Portraits.

421. Landscapes.

422. Pictures and Poems.

423. Paintings.

424. Paintings.

Chou Shih Chou.

425. Hand Scroll: Historical Scenes in Shanghai Yuan Park.

426. Hand Scroll: 100 Beauties on Hand Scroll.

427. Landscape.

Chao Chung Mu.

428. Supernatural Beings on Hand Scroll.

Huang Jun.

429. Wang Hsi Chi Feasting with His Friends.

Wio Yu Pi Ching.

430. Lotus and Ducks.

Li Hsi San.

431. Sun Hsing or Three Stars.

Shen Nan Ping.

432. Stork and Flowers.

433. Birds Study.

Chow Tsung Po.

434. Azaleas and Banana Trees.

Chien Shun Chu.

435. Ma Ku.

Lan Tien Shu.

436. Falcon and Pine.

Kai Chi Hsiang.

437. Garden Screen.

Wang Chiao Chi.

438. Autumn Scene.

Shih Jui.

439. The Four Recluse Grey Heads.

Chang Jui Tu.

440. Poker Work.

Yuan Shang Ting.

441. Water Gate at Dawn.

Chao Shou.

442. Fan Sing and Wu Tau.

GENERAL ENRIQUE LOYNAZ DEL CASTILLO,
Commissioner

CUBAN SECTION

de Aragon, Margarita.

1. Study of a Head.

Bilini, Adriana.

2. Portrait of a Lady.
3. Fruit.
4. Fruit.
5. Sea Shore at Mariel: Cuba.

Bosque, A.

6. Study of a Head.

Mantilla, Maria.

7. Portrait Study.
8. At the Sea Shore.

Macnocal, Armando.

9. Death of Marco.
10. Lady in Pink.

Melero, Aurelio.

11. Cabana Fortress: Havana.
12. Sea Urchins.

Morey, M. Rodriguez.

13. The Stream.
14. At the Brook.
15. Crossing the Stream.

Romanach, Leopoldo.

16. In the Orchard.
17. The Vow.
18. Fulfilling the Vow.
19. Harvest Time.
20. Girl's Head.
21. Luisita.
22. Old Man at Prayer.
23. Spanish Lady.
24. Youth.
25. Portrait of a Lady.
26. Old Man Smoking.
27. Study of a Head.
28. The Drinker.
29. The Last Jewel.

de Vildosola, C.

30. Study of a Head.

ALBERT TIRMAN, Esq.,
Commissioner General.

JEAN GUIFFREY, Esq.,
Commissioner of Fine Arts.

FRENCH SECTION

- Adan, Louis-Emile.**
230. Holy Family.
- Adler, Jules.**
231. Christmas in the Faubourg.
- Agache, Alfred-Pierre.**
232. The Sword.
- Agutte, Georgette.**
233. My Garden in Spring: From the Studio.
234. Lake Campfer: Winter.
- Aman-Jean, Edmond.**
235. Woman with a Carnation.
236. Portrait of a Woman.
- Andre, Albert.**
237. Tulips and Iris.
238. The Old Castle.
- Anburtin, J. Francis.**
238A. The Swan.
239. Landscape.
- Avy, Joseph-Marius.**
240. The Last Pin.
241. Fruit.
- Bail, Franck-Antoine.**
242. The Kitchens: Chateau de Fleury-en-Bierre.
- Balande, Gaston.**
243. The Greased Pole.
- Baschet, Marcel.**
244. Portrait of Miss W.
- Baude, Francois-Charles.**
245. Communicants: Flanders.
- Bandonin, Paul.**
246. Ivy.
- Baugnies, Jacques.**
247. The Mantelpiece.
- Beaumont, Hugues de.**
248. Gallery of the Henri Cain Collection.
249. Corner of the Room: Jacques Doucet Collection.
- Beraud, Jean.**
250. The Widower.
- Berges, Georges.**
251. Parrots.
- Berteaux, Hippolyte.**
252. Goats Waiting to Be Milked.
253. The Wild Coast.
- Besnard, Albert.**
254. Woman Sleeping.
255. The Gypsy.
- Blanche, Jacques-Emile.**
256. Madame Ida Rubinstein as Sheherazade.
257. Nijinski in the Ballet: The Feast.
- Bompard, Maurice.**
258. Persian Pottery.
- Bonnard, Pierre.**
259. Dining Room in the Country.
- Bonneton, German-Eugene.**
260. Tanneries on the Banks of the Bièvre.
261. Snow Scene: Rue Clovis, Paris.
- Bouliard, Emile.**
262. The Hay Stacks.
- Boutet de Monvel, Bernard.**
263. The Village.
264. The Little Town.
- Braquaval, Louis.**
265. The Bay of the Somme.
266. The Stairway at Saint Tropez.
- Brissaud, Jacques.**
267. Portrait.
268. The Institute.
269. Horse Market.
270. Before the Mirror.
- Broca, Alexis de.**
271. The Island of Ara: Brittany.
- Brouillet, Andre.**
272. Among the Dunes.
273. House of the Painter.
- Buffet, Paul.**
274. Plain: Evening.
- Calbet, Antonin.**
275. Reading.
- Calmette, Pierre-Paul.**
276. The Boudoir.
- Camoin, Charles.**
277. Beach at Tangier.
- Cannicioni, Leon-Charles.**
278. Departure for the Fair: Corsican Peasants.
- Caro-Delvalle, Henri.**
279. September.
280. The Lady with the Hydrangea.
- Carpentier, Marie-Paule.**
281. Interior: Salon de la Paix: Versailles.
282. Fountain: Combat of Animals: Versailles.
283. The Flags.
- Carrier Belease, Pierre.**
284. The Ballet Slipper.
- Cartier, Karl.**
285. Evening: Moret-sur-Loing.
- Cave, Jules-Cyrille.**
286. Saint Cecilia in the Catacombs.
- Cayron, Jules.**
287. Salon of the Chateau.
288. The Green Turban.
- Casin, Marie.**
289. Diana Asleep.
- Chabas, Maurice.**
290. In Brittany.
- Chapuy, Andre.**
291. Banks of the Marne.
- Chigot, Eugene.**
292. Grand Trianon.
- Clairin, Georges.**
293. Moroccan Women.
- Collin, Raphael.**
294. Nonchalance.
- Cosson, Marcel.**
295. The Salute.
296. Dancers.
- Cottet, Charles.**
297. The Cathedral: Segovia.
298. Seated Woman.
- Crespel, Berthe.**
299. The Basket of Dahlias.
- Debadie, Henri.**
300. Summer: Bouzareah: Algeria.
301. The Straits of Ferlez: Brehat, Brittany.
- Darrieux, Charles-René.**
302. Religious Festival: Brittany.
- Dauchez, Andre.**
303. The Walled Town: Concarneau.
304. Le Pouldu: Finistere.

- David-Nillet, Germain.
305. Notre Dame.
306. Interior: Church of Saint-Maclou.
- Dayot, Magdeleine.
307. Still Life.
- Dechenaud, Adolphe.
308. Portrait of My Father.
309. Portrait the late Dujardin-Beaumetz, Deceased.
- Degas, Edgar Hilaire.
310. Cafe: Concert.
- Delachaux, Leon.
311. The Convalescent.
- Delasalle, Angele.
312. The Bois de Boulogne.
- Denis, Maurice.
313. Renaud and Armido.
314. Communicants.
314A. Bathers.
314B. Nansicaa.
314C. Ball Game.
314D. Ball Game.
314E. The Shore.
314F. The Cart.
- Desch, Theo-Auguste.
315. The Child in Crinoline.
- Desvallieres, Georges.
316. Sacred Heart.
- Dethomas, Maxime-Pierre.
317. Yvonne.
318. Jeanne.
- Devambez, Andre.
319. The Assault.
- Devoux, Raymond-Georges.
320. Farewell.
- Didier-Tourne, Jean-Emile.
321. War.
- Dinet, Etienne.
322. Slave of Love and Light of Eyes.
- Doigneau, Edouard.
323. The Guardian: Camargue.
- Domergue, Jean-Gabriel.
324. The Frog or the Interrupted Toilette.
325. Gina Mabillo, Dancer.
326. Bouquet.
- Dafau, Clementine-Helen.
327. The Woman with the Coffer.
- Dufrenoy, Georges.
328. Still Life.
329. Parodi Fountain: Genoa.
- Dupuy, Paul-Michel.
330. Camping Nomads.
- Durenne, Eugene-Antoine.
331. Breakfast in the Garden.
332. Child Writing.
- Duvent, Charles.
333. Boats on the Gludecca Canal: Venice.
- Estienne, Henry d'.
334. Arab Girl Carrying Bread.
- Etcheverry, Hubert-Denis.
335. Corner of the Market Place: Granada.
336. Portrait of Leon Bonnat.
- Falvre, Jules Abel.
337. Parisian Woman.
338. Girl with a Hat.
- Farre, Henry.
339. Portrait of My Mother.
- Faugeron, Adolphe.
340. Night: Venice.
- Felix, Leon-Pierre.
341. Breakfast under the Arbor.
- Filliard, Ernest.
342. Dahlias.
343. Red Roses.
- Flameng, Francois.
344. Venetian Fete.
345. Portrait: Madame Letellier.
346. Paris: Panoramic View from the Trocadero.
347. Venice.
- Fontaines, Andre Des.
348. Pasture.
- Forseau, Henri.
349. In the Village: Burial of a French Soldier.
350. Marionettes: The Crime.
- Fouqueray, Charles.
351. The Invincible Armada.
- Galtier-Boissiere, Louise.
352. Musical Instruments.
- Gardier, Raoul Du.
353. Summer Morning.
- Georget, Henri.
354. Morning in Provence.
- Gillot, E. Louis.
355. Notre Dame.
356. Boulevard des Italiens.
- Girardot, Louis-Auguste.
357. Moroccan Women on the Terraces: Tangier.
- Godeby, Charles.
358. Autumn Sunlight: Dournenez.
- Gosselin, Albert.
359. The Bridge: Hulay.
- Gourdault, Pierre.
360. An Arab Woman Warming Herself.
- Griveau, Georges.
361. Women Bathing.
362. A Profaned Church.
- Griveau, Lucien.
363. Cows by the Pool: End of September.
364. The Silver Thread: The Marne.
- Grosjean, Henry.
365. The Bottoms: Valromey.
- Grun, Jules.
366. Girl with a Glass of Water.
- Guerin, Charles.
367. Man with the Gourd.
368. Silver Cups.
- Guignard, Gaston.
369. Cavalry Manoeuvres.
- Guillaume, Albert.
370. Patter.
371. At Drill.
- Guillaume-Roger.
372. Winter in Holland.
- Guillaumin, Armand.
373. Banks of the Creuse.
- Guillemet, Antoine.
374. Moonrise.
375. The Old Mills: Moret.
- Guillonnet, Octave.
376. The Peacock Fountain.
377. The Rose Quilt.
- Guirand de Scevola, L. Vittor.
378. Marble Vases Versailles.
- Gumery, Adolphe-Ernest.
379. The Coach and the Fly.
380. The Infanta's Rose.
- Hanicotta, Augustin.
381. Winter: Low Country.
- Helleau, Paul.
382. The Cathedral: Reims.

- Hoffbauer, Charles.**
 383. Madison Square: New York.
- Humbert, Ferdinand.**
 384. Portrait: Madame Hatto.
- Jacquier, Henry.**
 385. Watching.
- Janmes, Gustave-E.**
 386. Intimacy.
- Jeannot, Pierre-Georges.**
 387. Alone.
 388. High Tide: Return of the Fishermen.
- Jourdain, Francis.**
 389. Verdure.
- Jouve, Paul.**
 390. Study: Camel.
 391. Study: Camel.
- Karpeles, Andree.**
 392. Faker of the Jungle.
- Lamy, P. Franc.**
 393. Venice: Morning.
- Laparra, William.**
 394. Grace.
- Laprade, Pierre.**
 395. Still Life.
- La Touche, Gaston.**
 396. Hallali.
 397. Summer Night.
- Laurens, Jean-Paul.**
 398. Near the Tombs.
- Laurens, Paul-Albert.**
 399. Sport in a Park.
- Laurent, Ernest-Joseph.**
 400. Portrait: Mlle. X.
- Lavalley, Louis.**
 401. Portrait.
- Lavrat, Louise.**
 402. Portrait: Senator Borne.
- Lebasque, Henri.**
 403. Little Girls at the Water's Edge.
 404. Interior: Girl Reading.
- Lebourg, Albert.**
 405. Banks of the Seine.
- Le Gout-Gerard, Fernand.**
 406. Religious Festival of Saint Anne de La Palud.
- Lemordant, Jean-Julien.**
 407. Sunday in Brittany.
 408. Une Bigoudine.
 409. The Wind.
 410. A Breton Woman.
- Lepape, Georges.**
 411. The Rattle.
 412. My Portrait.
 413. Farandole.
- Lepine, Joseph.**
 414. Village on the River: Argentat sur la Dordogne.
- Lerolle, Henri.**
 415. Rose Morning.
- Leroux, Georges-Paul.**
 416. The Lake.
 417. Parterre: Luxembourg.
- Le Sidaner, Henri-Eugene.**
 418. The Harbor: Landerneau.
 419. The Table.
- Lebre, Maurice.**
 420. Library of the King: Versailles.
- Luce, Maximilien.**
 421. Unloading on the Quai: Auteuil.
- Madeline, Paul.**
 422. Breton River.
 423. Genetin Mill: Autumn.
- Maillart, Diogene.**
 424. Domesticity.
- Maillaud, Fernand.**
 425. Autumn Landscape: Vallee Noire.
- Manguin, Henri.**
 426. Girl with Red Slippers.
 427. Landscape: Cassis-sur-Mer.
- Marcel-Beronneau, Pierre.**
 428. Nude.
- Marcel-Clement, Amedee-Julien.**
 429. Cattle under the Pines.
- Marquet, Albert.**
 430. Harbor: Rotterdam.
 431. Harbor: Rotterdam.
- Martin, Henri-Jean-Guillaume.**
 432. The Lovers.
 433. My Portrait.
- Martin, Jacques.**
 434. Peonies.
 435. Dahlias.
- Marvel, Jacqueline-Marie.**
 436. Poppies.
 437. Bouquet.
- Matisse, Auguste.**
 438. The Sea.
- Maufra, Maxime.**
 439. Palms: Sahara.
- Maurry, Georges-Sauveur.**
 440. Shell-fish.
- Maxence, Edgard.**
 441. Meditation.
- Mehent, Mathurin.**
 442. The Sandy Shore.
 443. After the Storm.
- Menard, Emile-Bene.**
 444. Bucolic.
 445. Opal Sea.
- Mercie, Antonin.**
 446. The Awakening.
 447. Young Parisian Girl.
- Mercie, Fernand-Antonin.**
 448. La Ballade: Toulouse: Moonrise.
 449. The Hunter and the Spring.
 450. Evensong.
- Milcendeau, Charles.**
 451. Washerwoman on the Marne.
- Monet, Claude.**
 452. Vetheuil.
- Moride, Jeanne.**
 453. The Coiffure.
- Morisset, Henri.**
 454. At the Window.
 455. Afternoon: Summer.
- Nam, Jacques.**
 456. The Meeting.
- Naudin, Bernard.**
 457. The Barricade.
 458. The Song of Death.
 Lent by Madame Ed. Leon.
- Neumont, Maurice.**
 459. Landscape.
- Nozal, Alexandre.**
 460. Heavy Clouds: The Pool at St. Quentin.
461. Trappes: Versailles.
- Olivier, Ferdinand.**
 462. The Antique Mirror.
- Ottman, Henry.**
 463. Still Life: The Bouquet.
 464. The Woman with the Geranium.
- Pascou, J.-P.-Eugene.**
 465. Portrait of Madame Edmond Rosland.

- Pierre, Gustave.**
466. Promenade.
- Piot, Rene.**
467. Saint Sebastian.
468. Flowers.
469. Drawing for a Fresco.
470. The Forum.
- Pointelin, Auguste-Emmanuel.**
471. A Hillside in the Jura.
472. Portraits of the Saglio Family.
- Puy, Jean.**
473. Beach: Concarneau.
- Realier-Dumas, Maurice.**
474. Roman Wall: Seville.
- Redon, Odilon.**
475. Flowers.
- Renard, Emile.**
476. Evening.
- Renaudot, Paul.**
477. The Red Coat.
478. The Red Peignoir.
- Renoir, Pierre-Auguste.**
479. A Garden: Rue Cortot.
- Renouard, Paul.**
480. Study: Dance.
- Roll, Alfred-Philippe.**
481. Day in Summer.
482. Fighting Horses.
483. In Belgium.
484. Woman and Child.
- Roussel, Kern-Xavier.**
485. Eurydice Stung by the Serpent.
486. Idyl.
- Royer, Henri-Paul.**
487. Prayer to Saint Tugen.
488. Meditation.
- Sabatte, J. G. Fernand.**
489. After Prayers.
- Saubea, Daniel.**
490. Viatium.
- Signac, Paul.**
491. Venice: Sails.
492. Rochelle: The Channel.
- Simon, Lucien.**
493. The Bath.
494. The Communicants.
495. The Gondola.
- Simon, Jeanne Lucien.**
496. Saint Tranquilline.
- Smith, Alfred.**
497. The Creuse in Winter.
498. Creuse: Winter Sunlight.
- Soufflot, Georges-Francois.**
499. The Festival of Pallio: Sienna.
- Stock, Paul.**
500. Bruges: The Green Quay.
501. Bruges: Quay des Menetriers.
- Suau, Edmond.**
502. The Cup of Tea.
503. Still Life.
- Sureda, Andre.**
504. Moroccans at the Cemetery.
505. Old Arab Woman.
506. The Aged Jew.
- Terraire, Clotie-Frederic.**
507. The Shower.
- Theravenet, Francois.**
508. Dressing: Little "Rats" of the Opera.
- Tirman, Jeanne-Henriette.**
509. The Little Girl of Ardennes.
- Truchet, Abel.**
510. Venice: Fete at the House of the Marquise.
- Valleton, Felix.**
511. Reading.
512. The Painters.
- Valtat, Louis.**
513. Landscape: Banyuls.
- Vauthrin, Ernest-Germain.**
514. Mill: Holland.
- Veber, Jean.**
515. The Little Princess.
- Vogel, Hermann.**
516. The Man on the Beach.
517. Fairy Tales.
- Vuillard, Edouard.**
518. Woman under the Trees.
- Wilder, Andre.**
519. Notre Dame.
- Willetto, Leon-Adolphe.**
520. That is War.
521. Death Conquered.
- Zingg, Jules-Emile.**
522. The Mill at Raynan: Winter.
523. Plain of the Jura: Winter.
524. Chateau of Valvoir.
525. Valley: Snow Scene.
- Zo, Henri.**
526. The Patio.
- PRINTS: ETCHINGS AND LITHOGRAPHS**
- Beaufre, Adolph-Marie.**
527. The Farm.
528. Cemetery of El Ketar.
- Bejot, Eugene.**
529. Le pont Sully.
530. Rouen.
531. Harbor: Saint Bernard.
- Beltrand, Jacques.**
532. Shed with Deer.
533. Landscape with Rabbits.
- Bourdeley, Jacques-Pierre-Victor.**
534. Landscapes.
- Boutet de Monvel, Bernard.**
535. The Park.
536. Return from the Market.
- Bremont, Jean-Louis.**
537. The Cloud.
538. Under the Pines: Cliffs at Caux.
- Broqualet, Alfred-Jean-Marie.**
539. The Pool: after Corot.
- Brunet-Debaines, Louis Alfred.**
540. The Ponds: Ville d'Avray: after Corot.
- Busiere, Louis.**
541. The Madonna of Saint Jerome: after Correggio.
- Casin, Michel.**
542. Study.
- Cheret, Jules.**
543. Dancing Girl.
- Colin, Paul-Emile.**
544. Metz: the Cathedral and the Moselle.
545. Village of Desseling.
- Cottet, Charles.**
546. St. John's Fires.
- Dagnan-Bouveret, Pascal, Adolphe-Jean.**
547. Head of Duled-Nail.
- Dallemagne, Aime-Edmond.**
548. Rue Malpala: Rouen.
- Danchoz, Andre.**
549. Behind the Dunes.
550. Palud Road.
551. Chapel of Saint Guido.

- Deltail, Loys.**
552. Portrait of Bracquemond.
553. Portrait of Paul Renouard.
- Desarrais, Antoine-François.**
554. Bretons at the Pardon.
- Dinet, Etienne.**
555. Arabian Children.
556. The Bath.
- Forain, Jean-Louis.**
557. The Good Samaritan.
558. The Suspect and the Child.
- Gardier, Raoul du.**
559. Dancing Fawn.
- Girardot, Louis-Auguste.**
560. Nomad Woman and her Children: Morocco.
561. Moroccan.
- Gasman, Pierre.**
562. Three Wood Engravings.
- Halle, Charles-Jean.**
563. Ironclad in Action.
564. Behind the Scenes at the Opera.
- Helleu, Paul.**
565. Woman's Head.
- Heyman, Charles.**
566. Rue Saint-Medard.
- Huard, Charles.**
567. Corner of the Harbor.
- Huvey, Louis.**
568. Weeping Nymph: after J. J. Henner.
- Jeannot, Georges.**
569. Tramway.
- Jouvet-Magron, Dominique.**
570. The Ironclad.
- Lagullermie, Frederic-Auguste.**
571. September Morning: after Chabas.
572. The Marriage at Cana: after Veronese.
- Latanay, Gaston de.**
573. Souvenirs of d'Amononville.
574. The Pool.
- Leandre, Charles Lucien.**
575. The Woman in Black.
- Lefort, Henri.**
576. Portrait of Washington.
- Legrand, Louis.**
577. Leader of the Ballet.
- Lehentre, Gustave.**
578. The Flood Gate: New Canal at Troyes.
579. The Huts: St. André.
- Le Meilleur, Georges.**
580. Cathedral: Rouen.
581. The Road: Fréquentenne.
- Leon, Edouard-Henri.**
582. Four Views of Paris.
583. Pieta.
- Lanois, Alexandre.**
584. Moroccan Dancing Girls.
585. Spanish Dance.
586. Basque Tamborine.
587. Spanish Dancing Girl.
- Maudin, Bernard.**
589. The Van.
- Moumont, Maurice.**
590. Women with Cherries.
- Ouvré, Achille.**
591. Portrait of J. H. Roany, the Elder.
592. Young Girl: after Francis Grannacci.
- Patriot, Jean.**
593. The Procession of the Magi.
- Proft, Georges.**
594. Portrait of Madame Pompadour: after G. Gardet.
595. Group of Lions.
- Raffaelli, Jean-François.**
596. The Little Street.
597. The Pond.
- Redon, Odilon.**
598. Pegasus Captured.
- Renouard, Paul.**
599. The Spinning Top.
600. Meeting.
601. Woodland Horses.
- Riviere, Henri.**
602. Burial at Trestraou: Brittany.
603. Maritime Village: Brittany.
- Roche, Pierre.**
604. Daughters of the Sea.
605. Greeting and Thanks.
- Sulpis, Emile-Jean.**
606. The Coronation: after David.
- Trigoulet, Eugene.**
607. A Sad Procession.
- Veber, Jean.**
608. Gold.
- Waltner, Charles-Albert.**
609. Saint Matthew.
- Willette, Leon-Adolphe.**
610. Christ at the Pillar.

SCULPTURE

- Arnold, Henry.**
611. Head of a Young Girl.
- Aube, Jean Paul.**
612. Leda.
- Bacque, Daniel.**
613. Head of a Woman.
- Bareau, Georges.**
614. The Sower.
- Bartholome, Albert.**
615. Young Girl Dressing.
- Bernard, Joseph.**
616. Young Girl with a Vessel.
- Bloch, Armand-Lucien.**
617. Dr. E. Roux: Director Pasteur Institute: Paris.
- Blondat, Max.**
618. Love Sleeps.
619. Youth.
- Boucharde, Louis-Henri.**
620. Portrait of Henri Martin the Painter.
- Boucher, Alfred.**
621. The Dream.
- Bourdelle, Emile.**
622. Beethoven.
- Carles, Antonin.**
623. Field Flower.
- Cazin, Marie.**
624. Portrait of J. C. Cazin.
- Charmoy, Jose De.**
625. Head of a Monk.
626. Silenus.
- Cladel, Marius L.**
627. Bust of the Belgian Poet, Emile Verhaeren.
- Cordier, Henri.**
628. Nymph.
- David, Fernand.**
629. The Dawn.
630. The Violinst.
- Dejean, Louis.**
631. Parisian Woman.

ERNESTO NATHAN, Esq.,
Commissioner General

ETTORE FERRARI, Esq.,
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Commissioners of Fine Arts.

ITALIAN SECTION

Anzivitti, Filippo.

1. Abandoned Country Place.

Battaglia, Alessandro.

2. The Hour of Rest.

Bazzani, Luigi.

3. Arch of Septimius Severus.

Bazzaro, Leonardo.

4. On the Diving Board.

Belloni, Giorgio.

5. The Port.

Bezzi, Bartolomeo.

6. Villa Borghese.

Bonazzi, Emma.

7. Languid.

Bosia, Agostino.

8. Waiting.
9. Summer Afternoon.

Brass, Italo.

10. Bridge Across the Lagoon.

Busi, Adolfo.

11. Ora Pia.

Cadorin, Guido.

12. Portrait of an Artist.

Cambon, Glaucio.

13. Maternity.

Caprile, Vincenzo.

14. Venice.

Carlandi, Onorato.

15. Verbascum Luteum.
16. The Red Mill.
17. Winter Along the Tiber.
18. Villa d'Este.

Casciaro, Giuseppe.

19. Landscape.
20. Landscape.
21. The Abandoned Church.
22. Running Water.
23. Wheat Field.
24. Autumn.

Carozzi, Bossi Adele.

25. Peonies.

Coromaldi, Umberto.

26. Return from the Fields.
27. Winnower.

Corni, Carlo.

28. Perhaps.

Chiesa, Pietro.

29. The Annunciation.
30. Autumn.

Chitarin, Traiano.

31. Evening Fires.

Giardi, Beppe.

32. Venetian Scenes.

Giardi, Emma.

33. The Avenue: Boboli Garden

Giardi, Guglielmo.

34. Clouds in Spring.
35. Boats.

Grepot, Mario.

36. Azure Morning.

De Carolis, Adolfo.

37. Marine.

De Sanctis, Giuseppe.

38. Along the Seine.

De Stefani, Vincenzo.

41. The Distant Ones.

Di Falco, Filippo.

42. Child at the Spring

Favai, Gennaro.

44. The Shadows.

Federico, Michele.

45. Reflection.

Ferragniti, Visconti Adolfo.

46. Portrait in Red.

Ferretti, Paolo.

47. Golden Rays.

Ferro, Cesare.

48. Portrait of a Lady.

Festa Piacentini, Matilde.

49. Fiametta.
50. The Green Wig.

Follini, Carlo.

51. Along the Edge of the Pine Fore

Fragiacomo, Antonietta.

52. Bit of Sunlight.

Fragiacomo, Pietro.

53. On the Beach.
54. End of a Day.

Gaudenzi, Pietro.

55. Maternity.

Gioli, Francesco.

56. Florentine Harmonics.

Gola, Emilio.

57. Near the Bridge.

Grubicy De Dragon, Vittore.

58. Painting in Oil.

Innocenti, Camillo.

59. Green Shawl.
60. Morning.
61. Black Ribbon.
62. Yellow Room.

Joris, Pio.

63. Ponte Sisto.

Jrolli, Vincenzo.

64. Violin Player.

Korompay, Duilio.

65. Ruins and Flowers.

Lionne, Enrico.

66. Red Roses.
67. Return of the Divine Love.

Luxoro, Cesare.

68. The Rock; Quarto.

Magliocchetti, Ida.

69. Interior.

Mancini, Antonio.

70. The Antiquary.
71. Bohemian.
72. Portrait.

Marussig, Guido.

73. Saint Justus.

Mengarini, Pietro.

74. The Other Bank.

Montesi, Giuseppe.

75. The Soul of the Stones.

Messana, Corrado.

76. Baths of Antonine.

Migliaro, Vincenzo.

- 76A. Old Naples.

Milesi, Alessandro.

77. The Innkeeper of Goldoni.

Miti Zanetti, Giuseppe.

78. Ancient Venice.

Morani, Alessandro.

79. Tusculum.

Morani, Helbig Lily.

80. Ancient Music.

- Morbelli, Angelo.**
81. Sunset Across the Lagoon.
- Neuschuler, Alberto.**
82. Landscape.
- Noci, Arturo.**
83. Light and Shade.
84. Portrait Lyda Borelli.
- Nomellini, Plinio.**
85. Evening in May.
86. Sunkisses.
- Nono, Luigi.**
87. The Beloved Name.
- Parisani, Napoleone.**
88. Alban Lake.
89. Sunset Along the Tiber.
- Pasinetti, Antonio.**
91. View of Caprera.
- Petiti, Filiberto.**
92. Toward Evening.
- Protti, Alfredo.**
93. The Pearls.
- Reycand, Enrico.**
94. Mountain Breezes.
- Rho, Camillo.**
95. Charming Day.
- Ricci, Dante.**
96. The Butterflies.
97. La Valle dell' Aniene.
- Rossi, Luigi.**
98. Street Urchins: Caltanissetta.
- Sacheri, Cesare.**
99. Marina.
- Sala, Paolo.**
100. Along the Thames.
- Sambo, Luigi.**
101. Nude.
- Sartorelli, Francesco.**
102. The Lagoon: Sunset.
- Scattola, Ferruccio.**
103. Venice: Daybreak Effect.
- Scopinich, Luigi.**
104. A Canal at Burano.
- Tafari, Raffaele.**
105. Saint Marks.
- Tavernier, Andrea.**
106. Landscape.
- Tito, Ettore.**
107. Cow.
108. Centaurs and Nymphs.
109. The Pearl.
110. Portrait of a Lady.
111. The Procession.
- Vianello, Cesare.**
112. The Antiquary.
- Villani, Gennaro.**
113. Festa a Mare.
- Vittori, Carlo.**
114. Loads of Gravel.
- Weiss, Renzo.**
115. Quiet: The Lake.
- Zanetti, Zilla Vettore.**
116. The Tree.
- Biondi, Ernesto.**
154. Saint Francis of Assisi.
- Brozzi, Renato.**
155. Medals: Animals.
- Calandra, David.**
156. The Conqueror.
- Cataldi, Amleto.**
157. Head of Wheat.
- D'Antino, Nicola.**
158. Riri.
159. Dancing Girl.
- Dazzi, Arturo.**
160. Portrait of a Lady.
- Del Santo, Angelo.**
161. Youth.
- D'Orsi, Achille.**
162. Proximus Tuus.
- Drei, Ercolo.**
162A. Statue of a Woman.
- Ferrari, Ettore.**
163A. Giuseppe Garibaldi.
163B. Cowboy.
163. Shepherd.
- Gemito, Vincenzo.**
164. The Philosopher.
- Graziosi, Giuseppe.**
165. Susanna.
- Guastalla, Giuseppe.**
166. Sensations.
167. Visions.
- Jerace, Francesco Vito.**
168. Life.
169. Carlotta d'Asburgo.
- Luppi, Ermenegildo.**
170. Grandma's Idol.
171. Goat.
172. The Puppy.
173. Reconciliation.
- Maraini, Antonio.**
174. Perseus.
- Marsili, Emilio.**
175. Poetry.
- Nono, Urbano.**
176. The Discus Thrower.
- Nicolini, Giovanni.**
177. Satyr.
178. Milkmaid.
- Pellini, Eugenio.**
179. The Idol.
- Pogliani, Antonietta.**
180. On the Beach.
- Prini, Giovanni.**
181. Babies' Secrets.
181A. The Lovers.
- Renda, Giuseppe.**
182. Earth.
- Righetti, Guido.**
183. Marabù.
- Romanelli, Raffaello.**
184. Portrait of the Painter Gelli.
185. Portrait of Lyda Borelli.
- Romanelli, Romano.**
186. The Lament.
187. Ill temper.
- Selva, Attilio.**
188. Sphinx.
- Vedani, Michele.**
189. The Kisa.

SCULPTURE

- Amigoni, Luigi.**
151. Adolescence.
- Bazzano, Ernesto.**
152. Water Bearer.
- Bolletta, Eugenio.**
153. Hamida.

MR. H. YAMAWAKI
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MR. A. TSUKAMOTO
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JAPANESE SECTION

Shodo Hirata: Tokyo.

1. Voices of Little Birds.

Yoshiko Morimura: Aichi.

2. Festival of Nara.

Hojo Murakami: Tokyo.

3. Mulberry and Cocoon.

Tesaku Okajima: Tokyo.

4. Early Summer Day.

Shunki Tamaya: Kyoto.

5. The Zephyr.

Keisui Ito: Osaka.

6. Sailing Boats.

Kashu Kikuchi: Tokyo.

7. Scarlet Leaves.

Taisei Minakami: Fukuoka.

8. Flower of Ryukyu.

Banri Mitsui: Tokyo.

9. Spring-Time in the Palace Garden.

Bunto Hayashi: Kyoto.

10. The Woodcutters.

Sesso Okada: Osaka.

11. Morning in Shuri (Ryukyu).
12. Evening: Nawa Harbor (Ryukyu).

Shoyen Ikeda: Tokyo.

13. The Intermission.

Teiun Toshima: Osaka.

14. Before the Sunrise.

Ranshu Dan: Tokyo.

15. Moving Clouds.

Toyen Oka: Kyoto.

16. Summer Midday.

Banyoh Shibata: Kyoto.

17. In the Field.

Kangai Takakura: Kyoto.

18. Spring on the Kamo River (Kyoto).

Tomoto Kobori: Tokyo.

19. Masatsura Kusunoki Rescuing His Drowning Foes.

Kogyo Tsukioka: Tokyo.

20. Horse Fair at Kiso.

Toho Hirose: Tokyo.

21. Spring Rain.

Oshu Nishi: Kyoto.

22. Praying for luck.

Hosui Okamoto: Kyoto.

- 22A Twilight.

OIL PAINTINGS AND WATER COLORS

Kijiro Otta: Kyoto.

23. A Nurse.

Gentaro Koito: Tokyo.

24. A Cloudy Day.

Banka Maruyama: Tokyo.

25. Saigo Harbor of Iki.

Makutsu Ishii: Tokyo.

26. A Shower.

Hieashi Tanji: Tokyo.

27. Early Autumn.

Kimisako Shirataki: Tokyo.

28. Portrait of Mr. Y. Nomura.

Kunishiro Mitsutani: Tokyo.

29. A Fisherman's Home.

Eisaku Wada: Tokyo.

30. On the Seashore.

Hiromitsu Nakazawa: Tokyo.

31. Dim Light.

Katsumi Miyake: Tokyo.

32. Afternoon at Hameda.

Hiroshi Yoshida: Tokyo.

33. A Creek.

Hachiro Nakagawa: Tokyo.

34. Summer Morning in the Inland Sea.

Morinosuke Yamamoto: Tokyo.

35. Kiokuho. (Sea Shore.)

Toraji Ishikawa: Tokyo.

36. Grapes.

Fusetsu Nakamura: Tokyo.

37. Rakan (A Disciple of Buddha).

Takeji Fujishima: Tokyo.

38. Femme Pensive.

Naohiko Aida: Tokyo.

39. Storehouse on Water Front.

SCULPTURES.

Choun Yamazaki: Tokyo.

40. Tribute to a Dead Classmate (Wood).
41. The Broken Branches (Wood).

Unkai Yonehara: Tokyo.

42. Sowing (Wood).

Kingoro Yesawa: Tokyo.

43. Gama Sennin (A Chinese Hermit) Bronze.
44. Filial Son: (Wood.)
45. Manzai (Bronze).

Ikka Tashima: Tokyo.

46. Goats (Bronze).

Homei Yoshida: Tokyo.

47. A Boy with Mantle (Wood).

Kichigoro Murata: Tokyo.

48. "Uraraka" (Ivory).

Hodo Tomioka: Tokyo.

49. Rest (Ivory)

Chozo Toyama: Tokyo.

50. Old Man with Rabbit (Ivory).
51. The Smokers (Ivory).

Shokichi Hata: Tokyo.

52. Portrait of Count Okuma (Bronze).
53. Hagoromo (Silver Medal).

Kogan Tobari: Tokyo.

54. A Woman (Plaster).
55. A Woman Juggler (Bronze).

Homei Yoshida: Tokyo.

56. Arayori: A Peasant Woman (Wood).

Osao Watanabe: Tokyo.

57. The Strike (Plaster).

Yuhachi Ikeda: Tokyo.

58. Hay (Bronze).

Choshun Matsuo: Tokyo.

59. Wadatsumi Girls (Wood).

39A Inspiration (Wood).

Kuniyo Kawakami: Tokyo.

60. Spade (Wood).

Seibo Kitamura: Tokyo.

61. Hopeless Love (Plaster).

Shigeo Kawasaki: Tokyo.

62. Deep Water (Plaster).

Uichiro Ogura: Tokyo.

63. A Rich Harvest (Plaster).

Homei Yoshida: Tokyo.

64A Child (Wood).

METAL WORKS.**Masachika Ota: Tokyo.**

65. Silver Box: Design Autumn Hedge

Grass.

66. Silver Box: Design, a Tower in

Mist.

Sadajiro Ametani: Tokyo.

67. Copper Relief God of Thunder.

Ihei Nakano: Tokyo.

68. Bronze Vase: Design Carps.

Kingoro Yezawa: Tokyo.

69. Silver Box: Design Country Spring.

Masatoshi Iwai: Tokyo.

70. Bronze Ornament: Three Turtles.

Chozo Toyama: Tokyo.

71. Damascene Picture: Carps.

Chosaburo Yamada: Ishikawa.

72. Iron Ornament: A Devil (Hammer

Work).

73. Iron Ornament: A Puppy (Hammer

Work).

LACQUER.**Hikobei Nishimura: Kyoto.**

74. Screen: Willow and White Stork.

75. Necktie Box: Maple of Ogura.

76. Lacquer Plaque: Carps.

Kuhei Hayashi: Tokyo.

77. Shelf: Design Pine, Bamboo, Plum.

78. Box: Design Hydrangeas.

79. Box: Design Waves.

80. Box: Design Butterfly.

81. Box: Design Water Lilly.

Sakujiro Nakamura: Tokyo.

82. Box: Design Peony.

83. Box: Design Evergreen.

Masanori Ogaki: Ishikawa.

84. Letter Box: Design Snow Scene.

Jisaburo Mikami: Kyoto.

85. Paper and Writing Box: Design

Temple.

Kotaro Matsumoto: Tokyo.

86. Ornament Rooster.

Hideo Kimura: Kyoto.

87. Box: Design Oak Leaves.

88. Tray: Design Waves.

Takayasu Sasaki: Tokyo.

89. Tray: Design Battle of Gempei.

Shoka Tsujimura: Tokyo.

90. Cigarette Box: Design Tree.

WOOD BAMBOO AND OTHER MEDIA.**Shinjiro Matsukane: Tokyo.**

91. Screen: Design Helmet (Leather In-

laid).

92. Cigarette Box: Design Elephant.

Tatsukichi Fujii: Tokyo.

93. Screen: Design Tree (Carved and In-

laid).

Kozan Hosaka: Tokyo.

94. Paper Knife: Design Insect.

95. Paper Knife: Design Bird.

96. Paper Knife: Design Sea Weed.

97. Paper Knife: Design Fruit.

Cho Yui: Tokyo.

98. Screen: Plum Flower (Wood Inlaid).

99. Screen: Twelve Months (Wood In-

laid).

100. Screen: Hen (Wood Inlaid).

101. Picture: Grape Vine (Wood Inlaid).

102. Picture: Turkeys (Wood Inlaid).

POTTERY, PORCELAIN AND CLOISONNE.**Kozan Miyagawa: Yokohama.**

103. Porcelain Vase: Design Peony.

104. Porcelain Vase: Design Mountain

Scene.

105. Porcelain Vase: Design Mountain

Scene.

106. Porcelain Incense Burner: Design

Phoenix.

107. Pottery Incense Burner: Design

Pheasant.

108. Porcelain Vase.

Hasan Itaya: Tokyo.

109. Porcelain Vase: Design Birds and

Fruit.

110. Porcelain Vase: Design Peacock.

111. Porcelain Vase: Design Bamboo

Leaves.

Tomotaro Kato: Tokyo.

112. Porcelain Vase: Design the famous

Scene of Omi.

113. Porcelain Vase: Design Waves and

Dragon.

Eizayemon Fukagawa: Tokyo.

114. Porcelain Vase: Dragon and Clouds.

114A Porcelain Vase: Dragon and Clouds.

115. Porcelain Vase: Design of Plant.

Juji Ando: Tokyo.

116. Incense Burner: Cloisonne.

117. Cloisonne Vase: A pair.

118. Cloisonne Vase: Phoenix (a pair).

119. Box: Silver Cloisonne: Gold Fish.

Sosuke Namikawa: Tokyo.

120. Cloisonne Vase: Pomegranate (a pair).

121. Cloisonne Screen: Fish and Wagtail.

Jubei Ando: Nagoya.

122. Vase: A pair, Cloisonne: Plum.

Shuto Nakamura: Ishikawa.

123. Porcelain Vase: Phoenix and Plant.

Sobei Kinkozan: Kyoto.

124. Pottery Vase: Flower and Bird.

125. Pottery Vase: Plant.

126. Pottery Vase: Phoenix and Tree.

127. Pottery Vase: Flower.

128. Curved Pottery Vase: Scenery.

Yohsei Seifu.

129. Porcelain Vase: Chrysanthemum.

130. Porcelain Vase: Cherry.

Rihel Hiraoka: Kyoto.

131. Porcelain Vase: Chrysanthemum.

132. Porcelain Incense Burner: Four

Saints.

133. Porcelain Vase: Hydrangeas.

Rokubei Shimizu: Kyoto.

134. Pottery Vase: Flower.

Matsun Yabu: Osaka.

135. Pottery Bowl: Peony.

136. Pottery Bowl: Procession of Daimio.

137. Pottery Vase: Cherry.

138. Pottery Incense Box: Bamboo.

139. Pottery Incense Box: Phoenix and

Paulownia.

140. Pottery Incense Box: Tram.

Tosan Ito.

141. Pottery Vase: Design of Plant.

DYED FABRICS AND EMBROIDERIES.**Shinichi Iida: Kyoto.**

142. Screen: Embroidered: Ocean Waves.
143. Screen: Embroidered: Iris and Heron.
144. Screen: Embroidered: Seagull.
145. Picture: Dyed Cut Velvet: Autumn Scene.

Jinbei Kawashima: Kyoto.

146. Costume for NO Dance.
147. Tapestry: Design of Flower.

Sozayemon Nishimura: Kyoto.

148. Screen: Embroidered: Lion.
149. Wall Hanging: Cut Velvet: Fuji Mountain.

Eikichi Tanaka: Kyoto.

150. Screen: Embroidered: Pheasant.
151. Screen: Embroidered: Crane and Pine.

Sozayemon Nishimura: Kyoto.

152. Screen Embroidered: Reed and Wild Ducks.

Seifu Tsuda: Tokyo.

153. Cushions: Embroidered: Design of Carnation.

PRINTS.**Yetsutaro Yoshida: Tokyo.**

154. Persimmon and Net (wood-block printing).

Shiro Makino: Tokyo.

155. Boat in Snow (wood-block printing).

Bonkotsu Igami: Tokyo.

156. Madrid (wood-block printing).
157. Ground of Yushima Shrine (wood-block printing).

Naosaburo Yamada: Kyoto.

158. A Horse (wood-block printing).

DESIGN.**Koho Goto: Tokyo.**

159. Design for Screen: Boat in Reed.

Takezo Hayashi: Tokyo.

160. Design for Dish.

Sadakichi Junicho: Toyama.

161. Design for Shelf.
162. Design for Cake Bowl: Animal

Motokichi Terada: Tokyo.

163. Design for Vase: After the Tempio period design.

Kakuyei Abe: Tokyo.

164. Design for Fire Screen.

Kojiro Ibuki: Tokyo.

165. Design for Dish.

Seichiro Sawada: Kyoto.

166. Design for Vase.

RETROSPECTIVE WORKS**PAINTINGS****Gyokusho Kawabata (1833-1912).**

170. Group of Monkeys (Kakemono).
Lent by the Imperial Museum of Tokyo.

Mitate Kawabe.

171. Battle Scene of Yoshiaki Nitta (Kakemono).
Lent by the Imperial Museum of Tokyo.

Yukoku Noguchi (1825-1898).

172. Pine Tree (Kakemono).
Lent by the Imperial Museum of Tokyo.

Chokunyu Tanomura.

173. Landscape (Kakemono).
Lent by the Imperial Museum of Tokyo.

Kwampe Araki.

174. Peacock (Kakemono).
Lent by the Imperial Museum of Tokyo.

Motonobu Kano (1476-1559).

175. Buddha, Flowers and Birds (Kakemono; three in set).
Lent by the Imperial Museum of Tokyo.

Nichokuan Soga (about 1600).

176. Hawk: Screen.
Lent by the Imperial Museum of Tokyo.

Sozatsu Tawaraya (about 1630).

177. Bamboo and Plum (Kakemono: a pair).
Lent by the Imperial Museum of Tokyo.

Kathoku Yuseitsu (about 1630).

178. Landscape: (Kakemono: a pair).
Lent by the Imperial Museum of Tokyo.

Mitsunari Tosa: (1646-1710). Mitsunoki Tosa: (1617-1691).

179. Quail (Kakemono).
Lent by the Imperial Museum of Tokyo.

Tsunenobu Kano: (1636-1713).

180. Dragon (Kakemono).
Lent by the Imperial Museum of Tokyo.

Gantai: (1784-1865).

181. Reed and Ducks.
Lent by the Imperial Museum of Tokyo.

Gaho Hashimoto: (1835-1908).

182. Cat in Bamboo Thicket.
Lent by the Imperial Museum of Tokyo.

Inen Kitagawa: (about 1630).

183. Flowers Screen.
Lent by the Imperial Museum of Tokyo.

Matabei Iwasa: (1578-1650).

184. Court Lady: Screen.
Lent by the Imperial Museum of Tokyo.

Moronobu Hishikawa: (1638-1714).

185. Woman (Kakemono).
Lent by the Imperial Museum of Tokyo.

Masanobu Okumura: (1690-1768).

186. Mountain house of Ogura (Kakemono).
Lent by the Imperial Museum of Tokyo.

Kaigetsudo: (About 1710).

187. Ukiyoye.
Lent by the Imperial Museum of Tokyo.

Katsunofu Baiyukan: (About 1710).

188. Ukiyoye.
Lent by the Imperial Museum of Tokyo.

Anchi Choyodo: (About 1710).

189. Ukiyoye.
Lent by the Imperial Museum of Tokyo.

Unknown (Tempio Period).

190. Kichijoten (Copy: The original is at Yakushiji).
Lent by the Imperial Museum of Tokyo.

Unknown.

191. Resurrection of Buddha: Copy: The original is at Chohoji.
Lent by the Imperial Museum of Tokyo.

Sesahu: (1420-1500).

192. Scenes of four seasons (Copy).
Lent by the Imperial Museum of Tokyo.

Shiban: (About 1400).

193. Landscape Screen: (Copy).
Lent by the Imperial Museum of Tokyo.

Koho Honami: (About 1660).

194. Wistaria, Peony, Maple. (Copy: Three in set.)
Lent by the Imperial Museum of Tokyo.

Okyo Maruyama: (1733-1795).

195. Hori River Screen: (Copy).
Lent by the Imperial Museum of Tokyo.

Eitoku Kano: (1543-1600).

196. Pine and Eagle (Screen: a pair).
Lent by Tokyo Fine Art School.

Toko Kuroda (About 1600).

197. Group of Carps Screen. A pair.
Lent by the Tokyo Fine Art School.

Season (1420-1500).

198. Tiger and Bamboo.
Lent by the Tokyo Fine Art School.

Tannyu Kano: (1602-1674).

199. Birds.
Lent by the Tokyo Fine Art School.

Okyo Maruyama: (1733-1795).

200. Bamboo and Rooster.
Lent by the Tokyo Fine Art School.

Shunaho Katsukawa: (1726-1792).

201. A Woman.
Lent by the Tokyo Fine Art School.

Shohaku Soga (1739-1763).

202. A Ghost under willow Screen.
Lent by the Tokyo Fine Art School.

Tsunenobu Kano: (1636-1713).

203. White Hawk.
Lent by the Tokyo Fine Art School.

Kagei Tatebayashi: (about 1750).

204. Flowers.
Lent by the Tokyo Fine Art School.

Sansetsu Kano: (1633-1651).

205. Scenery Screen: a pair.
Lent by Viscount Kencho Suyematsu.

Toyeki: (about 1620).

206. Scenery Screen: A pair.
Lent by Viscount Kentaro Kaneko.

Jakuchu Ito (1715-1800).

207. Pine and peacock (Copy).
Lent by Jinbei Kawashima.
208. A Group of Insects (Copy).
Lent by Jinbei Kawashima.
209. Flower of Lotus (Copy).
Lent by Jinbei Kawashima.
210. A Group of Shells (Copy).
Lent by Jinbei Kawashima.
211. A Group of Fishes (Copy).
Lent by Jinbei Kawashima.
212. Mandarin Ducks (Copy).
Lent by Jinbei Kawashima.
213. A Group of Roosters (Copy).
Lent by Jinbei Kawashima.
214. Pine and Phoenix (Copy).
Lent by Jinbei Kawashima.

SCULPTURES.**Toin Morikawa.**

216. Ornament: Kanjiogaku: Wood.
Lent by the Imperial Museum of Tokyo.
217. Tentoki: Wooden Lantern by Koben (replica).
Lent by the Imperial Museum of Tokyo.
218. Ryutoki: Wooden Lantern by Koben (replica).
Lent by the Imperial Museum of Tokyo.
219. Three Gigaku: Masks.
Lent by the Imperial Museum of Tokyo.
220. Three "No" Drama Masks.
Lent by the Imperial Museum of Tokyo.

METAL WORKS.**Shukyu Tsukada.**

221. Silver Vase: Design Horai Mountain.
Lent by the Imperial Household.

Ichiga Numada.**Komakichi Hiratsuka.**

222. Bronze Ornament: Fighting Soldier.
Lent by the Imperial Household.

Bisei Unno.

223. Silver Ornament: A Mountain Archer.
Lent by the Imperial Household.

Eishe Kurokawa.**Ichiya Sekiguchi.**

224. Incense Burner.
Lent by the Imperial Household.

Yukiyasu Naminohira.

225. Sword.

Yoshihiro Sagaminekuni.

226. Short Sword.

LACQUER.**Artist Unknown.**

227. Stand: (Taishu Carved red Lacquer).
Lent by the Imperial Household.

Artist Unknown.

228. Writing Box: Design of Chrysanthemum and Iris.
Lent by the Imperial Household.

Katsuyoshi Shoami.

229. Incense Box: Design of Bamboo: Pine, Plum. (Metal).
Lent by the Imperial Household.
230. Hand Box Called "Katawaguruma" (Copy).
Lent by the Imperial Museum of Tokyo.
231. Paper Box: Design of Hedge and Chrysanthemum.
Lent by the Imperial Museum of Tokyo.
232. Writing Box: Design Deer and Autumn Grass.
Lent by the Imperial Museum of Tokyo.
233. Writing Box: Design Cherry.
Lent by the Imperial Museum of Tokyo.

Enryakuji.

234. Sutra Case.
Lent by the Imperial Museum of Tokyo.

Minnaji.

235. Rosary Box:
Lent by the Imperial Museum of Tokyo.

Todaiji.

236. Table: Design of Plant.
Lent by the Imperial Museum of Tokyo.
237. Saddle: Design of Dancing and Music.
Lent by the Imperial Museum of Tokyo.
238. Forty-five Inros: Medicine Cases.
Lent by Baron Morimasa Takei.

WOOD WORKS.

239. Cabinet: (Mulberry tree) with the following contents and accessories.
A. 1 Album of Paintings.
B. 1 Carved Ivory Paper-Weight: (Deer) by Komei Ishikawa.
C. 2 Ornaments: Wooden figures, Colored, by Koun Takamura and Kiuchi Takeuchi.

Wood Work—(Continued).

- D. 1 Incense Burner, cherry design by Yohei Seifu.
- E. 1 Incense Box, Cloisonne, Butterfly design, by Sosuke Namikawa.
- F. 1 Incense Tray, Lacquer, by Ichio Kawanobe.
- G. 3 Seals, Copper, by Chokichi Suzuki and Keisho Nakai.
- H. 1 Seal Cabinet, Silver inlaid, Peony design, by Shomin Unno.
- I. 1 Ink Box, Dragon design, by Kozan Miyagawa.
- J. 1 Writing Box, Pine and Waves, Inlaid Birds, by Shosai Shirayama.
- K. 2 Knives decorated with cloisonne, by Katsuhiko Kagawa and Seishi Namikawa.
Lent by the Imperial Household.

CLOISONNE AND PORCELAIN.**Ryusan Kutani.**

240. Pottery Vase: Decoration Pine and Fish.
Lent by the Imperial Household.

Toji Kato:

241. Porcelain Vase: Decoration Pine and Rising Sun.
Lent by the Imperial Household.

Toji Kato:

242. Porcelain Vase: Decoration Corn.
Lent by the Imperial Household.

Juji Ando:

243. Cloisonne Vase: A pair: Decoration Chickens.
Lent by the Imperial Household.

EMBROIDERIES AND DYED FABRIC.**Marquis Toshinari Mayeda:**

244. A Set of no dancing costume consisting of
A. 1 Kara-ori.
B. 1 Atsuuta Kimono.
C. 1 Nuihaku.
D. 1 Happi.
E. 1 Hankire.

C. J. K. VAN AALST

President of the Central Commission, Amsterdam.

H. A. VAN COENEN TORCHIANA

Resident Commissioner General

WILLEM WITSEN

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} Members
}

G. F. DE VRIES, Manager

THE NETHERLANDS SECTION

- Addicks, Christian Johannes.**
 1. Mother and Child.
Akkeringa, Johannes.
 2. On the Edge of the Water.
Arntzenius, Paul.
 3. Native of Volendam.
Asscher, Henriette.
 4. Tailor Hands at the Old Men's Home.
Bastert, Nicolaas.
 5. My Village.
 6. Enkhuizen Harbour.
Bauer, M. A. F.
 7. Oriental Equestrian.
Bautz, David.
 8. Dead Birds.
Beek, Bernardus Johannes.
 9. Dutch Landscape.
Berg, Anna C. van den.
 10. Larkspur.
Berkemeyer, Ludolph.
 11. On the Banks of a Dutch Lake.
Bleckmann, W. C. O.
 12. Spring.
Blommers, Bernardus Johannes.
 13. On the Way Home.
 14. Summer.
Bodifée, Paul.
 15. Field of Blooming Poppies.
Boer, G. J. de.
 16. In the Woods.
Bredtner, G. H.
 17. Amsterdam Timber-Port.
Breman, C. O.
 18. The Bay of Naples.
Chattel, Fredericus J. du
 19. To the Mill.
Coert, Anthoni.
 20. The Deserted House.
Deutman, Frans.
 21. Little Mother.
Deventer, Johanna Cornelia van.
 22. Beeches.
Dooyewaard, Jacob.
 23. Meditation.
Duyf-Schwartz, Th. van.
 24. The Fan.
 25. Mahler's Bust by Rodin.
 26. Portrait of H. M. the Queen of the Netherlands.
Dysselhof, G. W.
 27. Lobsters.
Engel, Frederik.
 28. Milking Time.
van Essen, Jan.
 29. Pelicans.
Frankfort, E. D.
 30. Along the Road.
Garjeanne, J.
 31. Shadows of the Clouds.
Garma, Oomraad M.
 32. The Enkhuizen St. Pancras Steeple.
Gerdas, Ed.
 33. Womanhood: 1914.
Goedvriend, Theodoor.
 34. From a Fairy of the Veluw County.
 35. Old Cottage at Chailly: France.
Gori, Berta.
 36. Old Woman.
Gorter, Arnold Mare.
 37. Autumnal Day.
Graafland, Rob.
 38. Summer Day.
Groot, G. de.
 39. In the Kempen Country.
Haverman, H. J.
 40. Fresh Life.
Hem, Piet van der.
 41. Katwyk Fisherwoman.
Hyner, Arend.
 42. Village Talk.
Israels, Isaac.
 43. Spanish Cafe.
 44. The Great Mare.
Ives Browne, Robert.
 45. Before the Mirror.
Jans, Jan.
 46. Standing Water on the Sand Hills: Spring Morning.
Jurres, J. H.
 47. Casting Stones at Don Quixote.
Kerling, Anna E.
 48. Diligent Old Woman.
 49. Providing with Fodder.
Koster, Anton Louis.
 50. A Bulb Grower's House with Nursery of Darwin Tulips in Holland.
 51. View on the River Spaarne near Haarlem.
Krabbe, H. M.
 52. At Granny's.
 53. First Steps.
Kramer, Martinus.
 54. Winter Time in Holland.
Ledeboer, Hans.
 55. What I Saw in My Dream.
Lenselink, Bens.
 56. March Weather in Holland.
Maarel, M. van der.
 57. Idleness.
Martens, Willy.
 58. Going to Church.
Mastenbroek, Johan Hendrik van.
 59. In the Lock at Delfshaven.
 60. As Busy as Bees in the Harbor at Rotterdam.
Mension, C. J.
 61. The Beast of Prey.
Mesdag, H. W.
 62. A Stormy Sea.
Meyer, Johan.
 63. Early Morning.
Moen, Charles Antoine.
 64. Begonias.
Mondriaan, Frits.
 65. The Hague Wood in October.
Monnickendam, Martin.
 66. Life's Joy.
 67. Moullyn, S. Portret.
Makken, Willem Carel.
 68. Cart for the Conveyance of Stones, near Paris.
Oldewelt, Ferdinand Gustaaf Willem.
 69. For the Poor.

- Overboek, G. J. van.
70. Cart Horses at the Bank of the River.
- Pieters, Evert.
71. Gypje.
- Regt, P. de.
72. Dreary Day in Spring.
- Repelius, Betsy.
73. Interior of a Dutch Home.
- Rhynnen, Jan van.
74. Charming Spot.
- Roelofs, Albert.
75. Meditation.
- Roelofs, Willem E., Jr.
76. In the Land of Tulips.
- Rosse, Hermann.
77. The Water Palace.
78. Carmel Bay.
- Schaap, E. E. D.
79. Spring.
- Schaap-van der Pek, H. W. J.
80. Ruins on a Mountain Top.
- Schermer, Cornelis.
81. Billeting Dutch Lancers.
- Schildt, Martinus.
82. Interior of a Home.
- Schipperus, Pieter Adrianus.
83. Winter.
- Schulman, David.
84. A Winter Afternoon at Laren.
- Sluiter, Willy.
85. The Angelus.
- Sluyters, Jan.
86. Woman in Scarlet.
87. Woman in Yellow.
- Smith, Hobbe.
88. Old Woman Reading the Bible.
- Steelink, Willem.
89. On the Heath.
90. Along the Coast.
- Sterre de Jong, J. F.
91. Sunday Morning at Laren.
- Surie, Jacoba.
92. Boy and Vegetables.
- Thol-Buysch, Aletta van.
93. Mushrooms.
- Tholen, W. B.
94. Church Near Leider.
- Tonge, Lammert van der.
95. Riches.
- Velsen, Susse.
96. Autumn.
- Vlaanderen, Joh.
97. Country Road in the County of Overysel.
- Vreedenburg, O.
98. Unloading Peat on the Edge of the Canal.
- Vreedenburg, Schotel M.
99. Slum in the City of Hattem.
- Waay, Nicolaas van der.
100. A Dutch Orphan House Girl.
- Wandscheer, M.
101. Nasturtium.
- Waning, Cornelis, Anthony van.
102. Ancient Part The Hague City.
- Weele, H. J. van der.
103. Dutch Ploughing Oxen.
- Weissenbruch, Jan Willem.
104. View of a Dutch City.
- Westermann, G.
105. On the Pavement.
- Weyns, J. H.
106. Old Women's Home.
- Wiggers, Derk.
107. Full Moon.
- Willigen, C. A. van der.
108. Nasturtium.
- Witsen, W.
109. Binnenkant: Winter at Amsterdam.
110. Montelbaan Steeple: Oude Waal at Amsterdam.
- Wolbers, Hermannus Gerardus.
111. In the Meadow.
- Wolter, Hendrik Jan.
112. Fishing Fleet Leaving a Cornish Harbor.
- Wysmuller, J. H.
113. View of Part of the City of Amsterdam.
- Zoetelief Tromp, J.
114. On the Beach.
- Zon, Jacques.
115. Navying.

GRAPHIC ART.

- Arntsenius, Paul.
116. The Training Ship.
117. The Old Dutch Waterland.
- Bauer, M. A. J.
118. The Holy Camel.
119. A Damascus Bazar.
120. An Oriental Prince.
- Bosch, Etienne.
121. Salerno.
122. Notre Dame de Paris.
- Dupont, P.
123. Western Church Steeple.
124. Old Church Steeple.
- Graadt van Bogen (Johannes Matthous).
125. Old Bridge.
126. Showery Weather.
- Harting, Dirk.
127. Amersfoort Canal.
128. The Amsterdam Lock.
- Haverman, H. J.
129. Beggar.
130. Generalife.
131. Ass Drivers.
- Hemelman, Albert.
132. Small Ghelder Yard.
133. Pile Driver at Amsterdam.
- Hoytema, Th. van.
134. White Herons.
135. Cactus.
- Israels, Isaac.
135A. Fire Etchings.
- Jong, Toon de.
136. Veere Cathedral.
137. Tjalk Outside Dordrecht.

Koekkoek, Gerard.

133. Delfshaven Harbour.

Kouw, Casper Marinus Leendert.

139. On the Dyke.

140. Thistle.

Krabbe, H. M.

141. Portrait of a Child.

142. Portrait of a Lady.

Kramer, Martinus.

143. To the River.

144. Downs-Oaks.

Mouly, S.

145. Le Chateau de Beaufort.

146. Study of the Nude.

147. Villa d'Este.

Mieuwenkamp, W. O. J.

148. Woodcutters.

149. Edam.

150. On the Lake.

151. Falling Leaves.

Poortenaar, Jan.

152. Trafalgar Square.

153. Jerusalem Chamber: Westminster Abbey.

Proost, Johannes.

154. Brick Kiln.

Schelfhout, Lodewyk.

155. Winter Tree.

156. Les Angles.

Tholen, W. B.

157. Nave.

158. Harbour.

159. The Philosopher.

160. Cage.

161. Cross.

Veldheer, J. G.

162. The Borough.

163. The Old Watchman.

164. Rotterdam.

165. Harlem St. Anne.

Velsen, Susa.

166. Sunny Doorlet.

167. Old Dutch Slum.

Witsen, W.

168. Reconstruction in Old Amsterdam.

169. The Kran Lock.

170. Steeple Montelbaan: Oude Waal.

Zwart, W. de.

171. Sunny Tree-Lined Path.

172. Cattle Market.

SCULPTURE**Clercq, T. la.**

1. Perdition.

Dantsig, Rachel M. van.

2. Mother and Child.

3. Italian Farmer's Wife and Goat.

Hesseling, Abraham.

4. Narcis.

5. Lidia.

Jeltsema, T. E.6. Young Sportaman Sitting Down:
Ready to Start Again.**Schreve-Yserman, Jo.**

7. Amsterdam Orphan Girl.

8. "Lonely and Deserted."

Wyk, Charles van.

9. On the Way Home.

10. Sheep and Lamb.

11. Cessation from Labor.

A. D. DUFFNER

**Executive Officer of the
Portuguese Commission**

PORTUGUESE SECTION

Aires, Frederico Pereira.

1. A View of Minho.
2. The Great Overflowing.
3. Fog in River Tagus.
4. The Shore of Buarcos.
5. Cape Mondego.
6. The Country of Santarem.

Azevedo e Silva, Antonio Goncalves.

7. The Top.
8. A Love Affair.
9. The Parrot.
10. Errand Boy.
11. Testing the New Wine.

Batalha Reis, D. Zoé.

12. On a Festival Day.
13. The Cup of Tea.
14. Chilly.

Bordalo Pinheiro, Columbano.

15. Portrait of the Portuguese Poet Bulhao Pato.
16. Portrait of the Portuguese Actor Vale.
17. The White Glove.
18. Oranges.
19. Oysters.

Bonvalot, Carlos.

20. Job.
21. Study.
22. The Grandmother.

Brito, José de.

23. The Wave.
24. Tired of Waiting.

Calderon, Leandro Joao.

25. A Court in Minho.
26. The Road to Louza.
27. The Ancient Monastery of Alcobaca.

Campas, Jose.

28. Idyl.

Cardoso, Artur Alves.

29. A Cork Tree in the Afternoon.
30. A Country Home.
31. Weaving.
32. A Farm in Alentejo.
33. The Beautiful Apple Tree.
34. The Granddaughter Amusing Herself.
35. Portrait.
36. Portrait.

Condeixa, Ernesto Ferreira.

37. The Vintage.
38. A Seaman.

Correa de Lacerda, Alberto V. da Rocha Portugal.

39. Blindman's Buff.
40. The Church of Santa Clara-a-Velha: Coimbra.
41. At Dawn.
42. The Porta da Agua: Alfelte.

Cristino da Silva, Joao Ribeiro.

43. A Court in the Environs of Leiria.
44. Sunset at Belem: Para.

Fonseca, Martinho Gomes da.

45. An English Lady.
46. A Child's Head.
47. Leda Surprised.

Goncalves, D. Maria F. Maubin.

48. In the Dining-Room.

Guedes, Pedro.

49. Cheesemaker.
50. Effect of Light.
51. Noon's Rest.
52. The Road to Barrosa.

Malhoa, Jose.

53. The Native Song.
54. Returning from the Festival.
55. The Country Schoolmaster.
56. A Catholic Procession in the Country.
57. Stop, Father!
58. The Drunkards.
59. Teasing.
60. The Nightingale's Veranda.

Marta, Abel Abrantes.

61. The Cloister of the Silence in the Monastery of Santa Cruz: Coimbra.
62. A Miserable Ward.
63. A Sad Landscape.

Melo, David de.

64. An Old Woman.

Possos, Mily.

65. Roses.
66. Oranges.
67. Death Nature.
68. Drawing.

Moraes, Narciso Alfredo de.

69. The Grandmother.
70. The Blacksmiths.

Prat, Artur.

71. Herd of Sheep: Foggy Morning.
72. Ambuscade.

Reis, Joao.

73. Spring.
74. Needy Homes.
75. Autumn Morning.
76. Roofs in the Village.

Ribeiro, Jor. José Nunes.

77. The Potter.
78. An Arabian Smoking.
79. At the Looking Glass.
80. The Mountain of Cintra.
81. The Path of Colares.
82. A Rustic Home.
83. Lighting the Cigarette.
84. At Dawn.
85. A Rustic Farm House: Environs of Cintra.
86. The Lake of Sete Cidades in the Island of St. Michael.
87. Preparing for the Wash.
88. A Corner at Sete Cidades in the Island of St. Michael.

Saude, Antonio Manoel da.

89. On the Banks of the Meuse.
90. The Moon Over the Seine.
91. The Night and the Seine.
92. On the Banks of the Zezere.
93. On the Banks of the Meuse.
94. On the Banks of the Zezere.

Sousa Lopes, Adriano de.

95. The Pilgrimage.
99. Effect of Light: Study.
100. The Home of the Washerwoman.
102. Effect of Moonshine: Venice.
104. The Canal of St. Gregory: Venice.
106. Under the Orange Trees.
114. My Village.
115. A Village Church.
116. Impression: Portugal.
117. Two Impressions: Venice.
118. Court in Bruges: Belgium.

P. RICHARD BERNSTROM
Commissioner General

ANSHELM SCHULTZBERG
Commissioner of Fine Arts

SWEDISH SECTION

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Aminoff, Gregori.

1. The Peacock.

Backlund-Celsing, Elsa.

2. Skilling.
3. Tobogganing.
4. The Birthday Table.

Bæver, John.

5. Fairy Girl.
6. Brother Martin: 1.
7. Brother Martin: 2.
8. Brother Martin: 3.
9. Brother Martin: 4.
10. Flipper Woman.
11. "It Is the Wood Nymph," said the Moose.
12. "Is It Silver?" asked a hoarse voice.
13. Wingmor: opened.
14. The Princess Sat Amid Flowers.
15. The Witch Hewed Firewood.
16. Hut and Goblins.
17. The Fogey Is Furious.
18. Goblins and Dogs.
19. "'Tis Thy Eyes," said the Goblins.
20. The Magic Plant.
21. Humpe at the Spring.
22. Humpe and His Mother.
23. The Fairy and the Hultra-forests Nymph.
24. The Goblins Jumped.
25. The Lady of the Woods.
26. The Giant Boy Who Slept 15 Years.

Bahn, Wilhelm.

27. Winter Evening.
28. Autumn Day.
29. Farmstead.
30. Snowflakes.
31. Sunset in the Forest.
32. Spring Evening.

Bergman, Oscar.

33. Midsummer.
34. Birch Trees in Springtime.
35. Cliff and Snow.
36. Apple Bloom.
37. Islands Outside Stockholm.
38. Gray Weather.
39. Fruit Trees in Bloom.
40. Thaw.
41. Pines and Snow.
42. Winter: 1.
43. Winter: 2.
44. Winter: 3.
45. Winter: 4.
46. Winter: 5.
47. Ice Formations after Storm.
48. Cypress.
49. Fiesols.
50. The Lighthouse.
51. Sandhamn.
52. Fire and Snow.

Bergström, Alfred.

53. Spring Day.
54. Spring Evening.
55. Summer Evening.

Bergström, Nils.

56. Hilly Country.
57. CHISA.
58. Sunny Recess in the Mountains.

Boberg, Anna.

59. First Snow in the Mountains.
60. The Fisher's Cemetery.
61. Arctic Night.
62. Huts and Boats.
63. Drying the Sails.
64. The Glacier Lake.
65. In This Fjord of the Dead.
66. April Morning.
67. Fisherboats in the Harbour.
68. Spring in the Mountains.
69. Lights and Shades.

Burmeister, Gabriel.

70. The Rill.
71. Old Age.
72. Contemplation.

Carlberg, Hugo.

73. Spring Morning at the River.
74. Crofters Returning Home.
75. Timber Drivers.
76. Springtime.

Dufva, Torgny.

77. Summer Day.

Elgström, Oeslan.

78. Tjudes Tale.
79. Tjudes Tale.
80. The Arctic Seas Tale.
81. Horagulla Gets Angry.
82. The Duel.
83. The Duel.
84. Warris Tale.
85. Tjudes Tale from Jakonga: 1.
86. Tjudes Tale from Jakonga: 2.
87. Tjudes Tale from Jakonga: 3.
88. Tjudes Tale from Jakonga: 4.
89. The Laplander Who Disbelieved His Master: 1.
90. The Laplander Who Disbelieved His Master: 2.
91. The Laplander Who Disbelieved His Master: 3.
92. The Laplander Who Disbelieved His Master: 4.
93. Tarras or Five Gods.
94. The Soul's Transmigration.
95. The Drama at Gandvik: 1.
96. The Drama at Gandvik: 2.
97. The Drama at Gandvik: 3.
98. Ajataja Sorcery.
99. Northern Lights.
100. Return to the Earth.
101. The Jabmekalbmö—Travel: 1.
102. The Jabmekalbmö—Travel: 2.
103. The Jabmekalbmö—Travel: 3.
104. The Christmas Night.
105. The God.

Ericksson, Erik Edw.

106. Mother's Joy.

Fahlerantz, Axel.

107. Approaching Storm.
108. Moonlight and Rising Mist.

Fjæstad, Gustav.

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110. The First Snow.
111. Winter.
112. Winter.
113. Head of the Foot G. Fred.
114. April Morning.

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- 115. The Artist's Portrait.
- 116. Winter Afternoon.
- 117. Summer Night's Breeze.
- 118. New Cottage in the Forest.
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- 121. Hoarfrost in the Mountains.
- 122. Easter.
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- 124. Hoarfrost in Sunlight.
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- 132. Meditation: Winter Moonlight.
- 133. Summer Night.
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- 135. Spring Time.
- 136. The First Spring Day.
- 137. Winter Day.

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- 138. New Fallen Snow.
- 139. Between the Mountains.
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- 142. My Native Country.
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- 144. Pine Tree in Snow.

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- 145. My Wife.
- 146. Italian Man.
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- 148. Forge in Terracina.

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- 149. Sun Glitter on the Sea.
- 150. Winter Evening in Lofoten.
- 151. The Sea.
- 152. Breaking Sea.

Johansson, Carl.

- 153. Early Spring.
- 154. Evening.
- 155. Almond Trees.
- 156. Summer Day.

Kallstenius, Gottfrid.

- 157. The Baltic Sea.
- 158. Pine Trees in Sunlight.
- 159. The Sacrificial Grove.
- 160. Iron Works in Vestergotland.
- 161. Manor House in Varmland.

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- 162. The Artist's Portrait.
- 163. The Naked Birch.
- 164. Setting Sun: Still Water.

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- 165. Calves.
- 166. Ducks.
- 167. Kids by the Fence.

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- 168. Between the White Trunks.
- 169. The Doorsteps.
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- 171. Ski Runner.
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- 174. Deep Thoughts.
- 175. The School Children's Household.
- 176. The Workshop.
- 177. A Lodge.
- 178. The Homes Angel.
- 179. The Kitchen Maid.

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- 180. The Old Room.
- 181. Dressing Up for the Joke.
- 182. Toilet in the Summer Morning.
- 183. Repairing.
- 184. Mother Kersti.
- 185. The Dining Room.
- 186. Wash House.
- 187. The Bed Room.
- 188. The Dogs.
- 189. Lisbeth Takes in by Ladefuls.
- 190. Nude Girl by the Stove.
- 191. Reverence.
- 192. Hellberg's Chicks.
- 193. Nude Girl.
- 194. Nude Girl.
- 195. Lisbeth.
- 196. A Girl's Back.
- 197. Karin Does Kersti's Hair.
- 198. Mother.
- 199. Anna-Stina.
- 200. Martina.
- 201. The Grandchild.

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- 202. Swans.
- 203. Wild Geese.
- 204. Sea Eagles.
- 205. Sea Gull at the Nest.

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- 206. Kiruna.

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- 207. Sunny April Day.

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- 208. Dalecarlian Girl.
- 209. Old Peasant from Dalecarlia.
- 210. Old Dalecarlian Man.
- 211. Portrait of Rector Magnificus Schück.
- 212. Old Dalecarlian Man.
- 213. Dalecarlian Women.
- 214. Peasants from Dalecarlia.
- 215. His Majesty King Gustaf V.

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- 216. Mullfjället.
- 217. Water Fall Porjus.
- 218. Water Fall Porjus.
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- 220. Summer Evening.
- 221. Evening.
- 222. The Water Fall Elfkärlo.

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- 224. Charcoal Burning.
- 225. Lent by Mrs. Chas. A. Stix.
- 226. The Coal Man's Hut.
- 227. Midsummer Night.
- 228. Gray Winter Day After the First Snow.
- 229. The Wood Barn.
- 230. Winter.
- 231. Winter in the Forest.
- 232. A Frosty Afternoon.

Smith, Vilhelm.

- 233. Ploughing.
- 234. Winter Afternoon.
- 235. The Avenue.
- 236. "It Will Be a Windy Night."
- 237. Fishers.

Strandberg, Gabriel.

- 237. The Drinker.
- 238. The League Boy.
- 239. The Cripple.
- 240. Trampler.

Torsander, Gustav.

- 241. Winter Moon.
- 242. Lamplight in the Fog.

- Torneman, Axel.**
 243. Torgny Lagman.
 244. The Dead Girl.
- Wallin, David.**
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- Wieslander, Agnes.**
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- Zoir, Emil.**
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 249. Breakers.
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 250. The Abandoned Church.
- Osterlund-Wigert, Mathilda.**
 251. Thaw.
 252. When the Leaves Fall.
- Osterman, Emil.**
 253. His Majesty King Gustaf V.
 254. Portrait of Professor Curman.

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 258. Scheele.
 259. Christ with the Child.
 260. Consolation.
 261. Music.
 262. Art and Sloyd.
- Börjesson, Lena.**
 263. Secretum.
 264. The Changeling.
- Edström, David.**
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 267. Sphinx.
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 272. Fribog.
 273. Doctor Looström.
 274. Doctor Romdahl.
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 278. August Strindberg.
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 280. Old Florentine.
 281. Original of Florence.
 282. Brutal Force.
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 286. The Swedish Challenge Prize at the Olympian Games.
- Lundberg, Theodor.**
 287. The Little Boatmaker.
 288. Mother's Joy.
- Miles, Ruth.**
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 290. Old Peasant Woman.
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 292. The Busy Little Girl.
 293. After Waiting in Vain.
 294. The Fisherman's Wife.

- Nordin, Alice.**
 295. Praise to the Nature.
 296. Ashes Urn.
 297. Holger Drachman.
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 298. The Little Dancing Girl.
 299. The Spring.
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 301. Stina.
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 303. Head of a Boy.
- Olsson, Anders.**
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 305. Big Brother.
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 311. Sonata.
 312. In Arcadia.
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- Bergström, Sigge.**
 314. Filipstad.
 315. At the Mouth of the River.
 316. At the Strand.
 317. Hokbergst.
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- Beve, Eva.**
 319. Village Street.
 320. Surface of Water.
 321. Prayer.
 322. In Thoughts.
 323. Parrot.
- Björkman, Elsa.**
 324. March Evening.
 325. Lungarno.
 326. From Dalecarlia.
 327. South Part of Stockholm.
 328. In the Offing.
- Boberg, Ferdinand.**
 329. The Two Priests.
 330. Notre Dame in the Rain.
 331. The Ferryboat.
 332. The Train.
 333. Venetian Boats.
 334. Fog in the Harbour.
 335. The Bridge.
 336. St. Catherine Church in Snow.
 337. Moonlight.
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 339. Hedvig Eleonora Church in Stockholm.
 340. Twilight in the Park.
 341. House of Nobility: Stockholm.
 342. Karoline Chapel: Stockholm.
 343. Doorway of St. Jane's Church: Stockholm.
 344. Interior of St. Stephen's Church: Vienna.
 345. Street Near the House of Nobility.
 346. St. Martin Bridge: Toledo.
- Burmeister, Gabriel.**
 347. Nocturne.
 348. Pastoral.
 349. The Silent Place.
 350. Adagio Pathétique.
 351. Old House in Dalecarlia.
- Gramér, Ed.**
 352. The Gates of the Fide Cemetery.

- Fischer, Per.**
353. Lacko Castle.
- Gehlin, Hugo.**
354. April.
355. Song of Solomon: 11 chap., 7 verse.
356. The Favoured.
357. The Gallant and the Death.
358. Old End Wall.
- Hallén, Arne.**
359. In the Café.
- Hallgren, Ernst.**
360. Interior.
361. The Threshing Mill.
362. Old Yard.
- Johansson, Thor.**
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365. The Yard.
- Küsel, Ernst.**
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367. Sheep.
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370. At the Death Bed.
- Lindström, Martin.**
371. The Hanging Birch.
372. The Mountain Crevice.
- Luch, O. O.**
373. Goats.
374. The Tool House.
375. Chantecleer.
- Nerman, Einar.**
376. Lavalliere.
377. Mistingnette.
- Nordensten, Ragnhild.**
378. Storm.
- Nordling, Gerda.**
379. The Yellow Range.
- Norlind, Ernst.**
380. Rocks.
381. Snow Melting.
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383. The Stork Pair.
- Magnus, Siri.**
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- Magnusson, Gustaf.**
389. Dancing Girl.
390. Salome.
391. "For the First Time."
392. Violin Player.
- Molin, Hjalmar.**
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IT. EDUARDO PEROTTI,
Commissioner General.

O. M. GOLDARACENA,
Resident Commissioner.

ALEFRDO METZ GREEN,
Secretary.

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1. The Souk: Tunis.
2. Luxembourg.
3. Rue Tubet el Bey.
4. Bathhouses on the Beach: Ostend.
5. The Beach at Ostend.
6. Mosque Sidi-ben-Ardmes: Tunis.
7. Luxembourg No. 2.
8. Mosque: Tunis.

Beretta, Milo.

9. Harmony in Gray and Blue.
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13. Mystic Hour.
14. Harbor Lights.
15. Impressions of Autumn.
16. Interior of San Marco.
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23. Portrait of General Galarze.

Castellanos, Carlos A.

24. A Street.
25. Portrait.
26. The Black Fan.
27. The Masquerade.
28. Impressions of the Harbor.
29. The Palace of King Sun.
30. Diana and Endymion.

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Martinez-Vazquez, Jose.

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58. General Artigas.
59. Bimba.

Cantu, Luis.

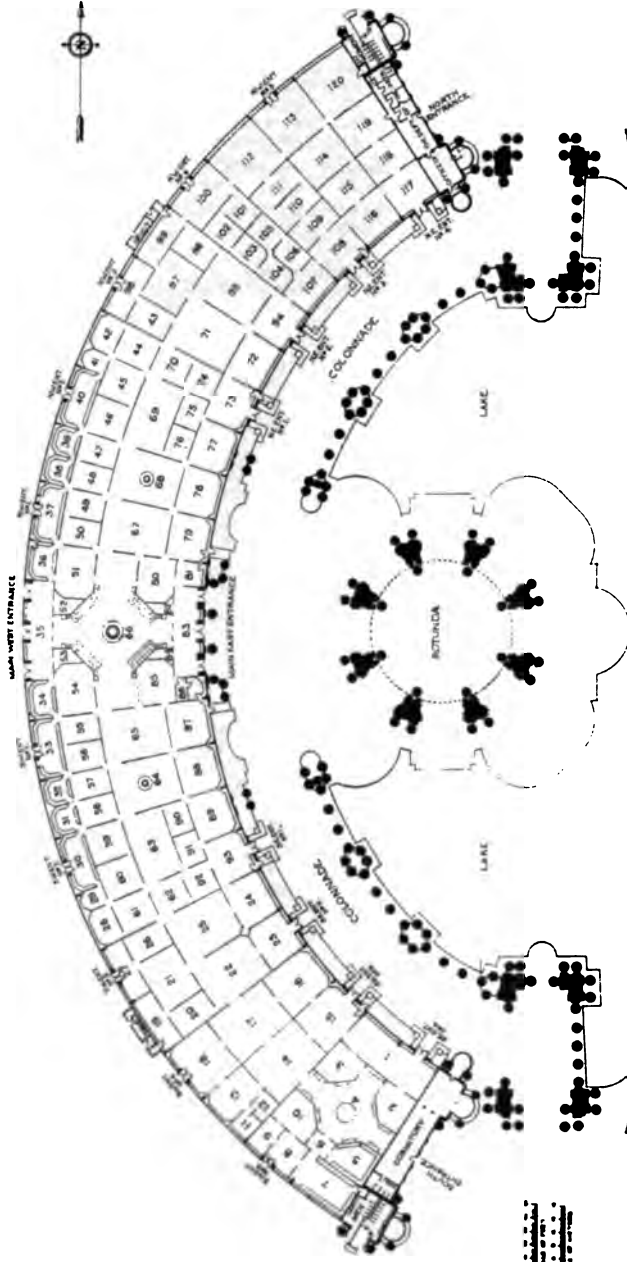
60. Head of Criollo.
61. Andresillo.
62. Christ in Agony.
63. Christ Dead.
64. St. John the Baptist.
65. El Cieuvito.

Ferrari, Juan.

66. Torso.
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68. The Degenerate.
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PREFACE

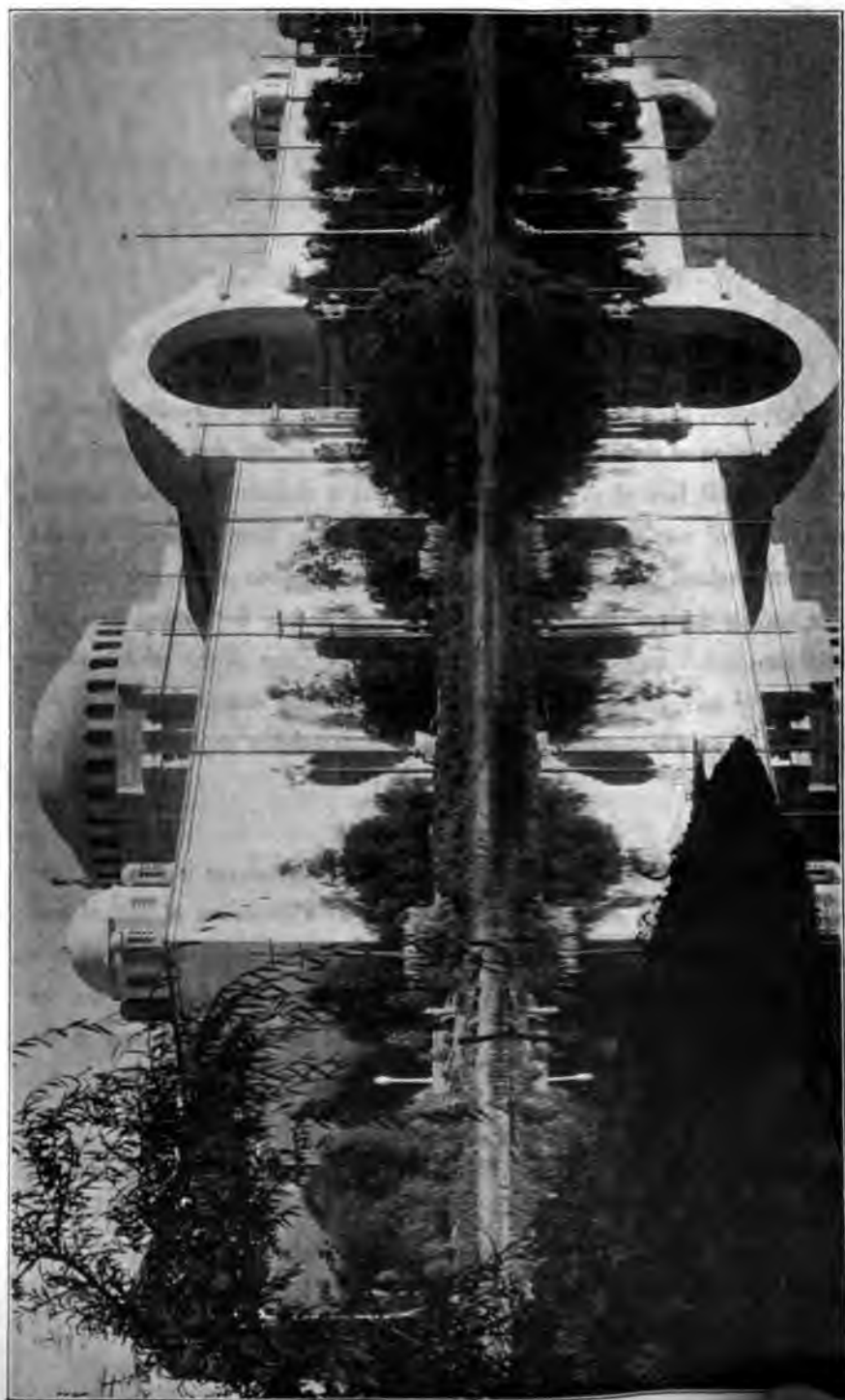
By Asher Carter Baker, Director of Exhibits.

A modern, universal exposition is an encyclopedia of man's words and works. It is a collection of the achievements and productivity of man for examination by the International Jury of Awards, and constitutes a compact, classified, indexed compendium of man's activity in all phases, extending from the most material to the most refined products. It is estimated that a million objects are exposed in the various displays installed within the palaces, and in the foreign, state and special pavilions. To properly classify, group and arrange all the exhibits of an exposition of such international scope, is a task of such magnitude that it was impossible to provide a complete catalogue of these exhibits on the opening day of the Exposition.

This revised and complete edition of the official catalogue is therefore presented. In realization of its extraordinary value as a document of general and commercial reference, special care has been given to its preparation, so that it constitutes a full list of the infinite variety of interesting exhibits which are the concrete evidences of the industrial, educational and artistic advancement of the world.

Acknowledgment is hereby offered of the excellent co-operation received in the compilation of this catalogue from the Commissioners-General of participating nations, officers of State Commissions, individual exhibitors, and more particularly the various officers of the Division of Exhibits, as also from the Official Catalogue Company, the publishers of this catalogue.

• PALACE OF EDUCATION AND SOCIAL ECONOMY

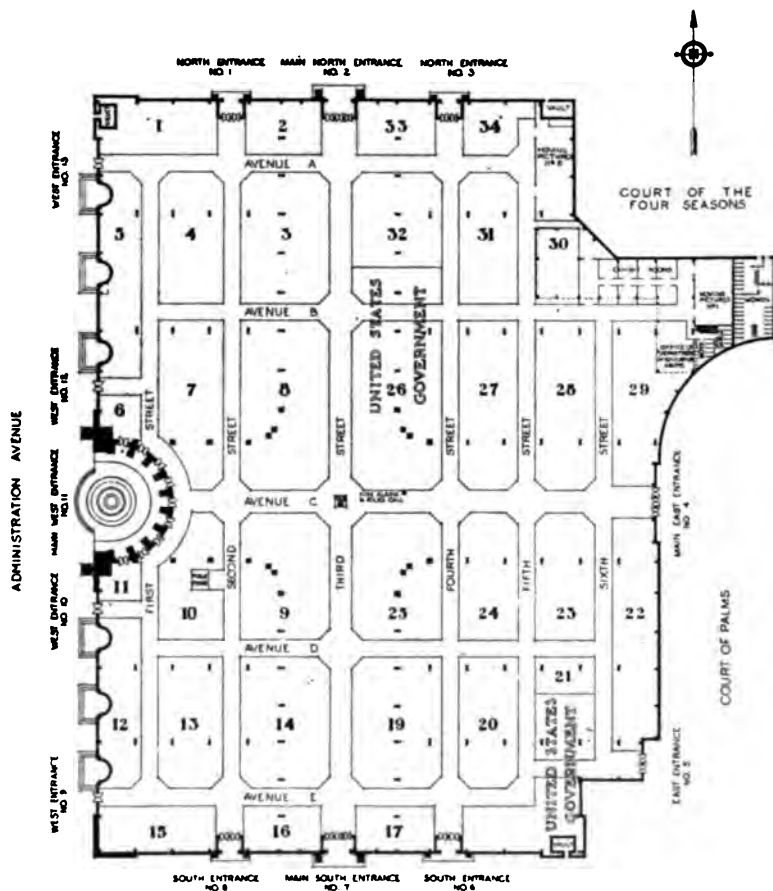


EDUCATION

Official Catalogue Department B

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AVENUE OF PALMS

FLOOR PLAN

PALACE OF EDUCATION & SOCIAL ECONOMY **PANAMA-PACIFIC INTERNATIONAL EXPOSITION**

OPENS FEBRUARY 20 SAN FRANCISCO, U.S.A. 1915. CLOSES DECEMBER 4

INTRODUCTION

Department of Education

BY

Alvin E. Pope, Chief

The compelling force that attracts the public to an Exposition is the educational value of its exhibits. Education in its broadest sense is the theme of the entire Panama-Pacific International Exposition. The far-reaching effect of educational influence in stimulating and directing future progress alone justifies the enormous expenditure of time, effort and money involved in this endeavor; the Department of Education is therefore expected to establish the standard for the educational movement.

The Palace of Education, situated at the extreme western end of the exhibit building area, is 396 feet by 526 feet and was erected at a cost of \$425,610.00. It fronts on Administration Avenue and on the east is the Court of Palms, designed by George W. Kelham. At the entrance to this Court on each side is a tower of Italian Renaissance, 200 feet in height. Between the two towers stands the magnificent statue "The End of the Trail."

Education, domestic and foreign, occupies one-half of the floor space in the Palace of Education, the other half being devoted to exhibits in Social Economy.

Domestic Exhibits were secured by invitation, the policy of the Department being to request each exhibitor to confine his exhibit to one distinct system or process in which he excelled; to some definite lesson which he was capable of teaching the world; to present complete information on his particular subject which would be of interest and benefit to the visitors to an international exposition. These invitations were restricted in order to avoid duplication and these special exhibits were so assembled as to portray the salient features of Modern American Education. We have outgrown the old style educational display consisting of comprehensive, duplicate exhibits, composed chiefly of pupils' work; therefore it has been the aim and endeavor of the Department to have each exhibitor deal with the fundamental principles of education, illustrating the means used to develop a child into the highest type of citizenship. Foreign countries and Insular Possessions have followed the general policy of the Department in regard to the arrangement of exhibits.

Demonstrating classes will show the actual processes of education in operation. These classes will cover nearly every subject of education treated by an exhibit. For the first time in exposition history motion pictures will play an important part in Education. The demonstrating classes will find a rival in these pictures which will illustrate the various processes of education from the leading schools of the country.

By securing the co-operation of exhibitors in following the principles herein outlined; by arranging the exhibits for the benefit of the visitors instead of the exhibitors, the Department hopes to be of great assistance in improving international educational conditions. It hopes to have a definite message to all lines of educational and scientific thought. It hopes to produce a world-wide effect on the education of the future. It hopes to assist in making useful citizens of the boys and girls of today.

HOW TO LOCATE AN EXHIBIT

The Palace of Education is laid out in blocks, which are consecutively numbered from 1 to 34, inclusive, as shown on the floor plan. The aisles are designated as streets (First to Sixth), running north to south, and as avenues (A to E), from east to west. To locate an exhibitor refer to the names, alphabetically arranged under the exhibit group to which each belongs in the official classification, and note the aisles location following each name. Street and Avenue signs are erected at their intersection on the corners of all blocks.

All Exhibits entered in this Catalogue are located in the Palace of Education, **unless otherwise indicated** after the entry. The following are abbreviations used in this Catalogue to designate other Exhibit Palaces:

Fine Arts Palace.....	Fn. A. Pal.
Education Palace.....	Ed. Pal.
Liberal Arts Palace.....	Lb. A. Pal.
Manufactures Palace.....	Mfr. Pal.
Varied Industries Palace.....	V. I. Pal.
Machinery Palace.....	Mch. Pal.
Transportation Palace.....	Trns. Pal.
Agriculture Palace.....	Agr. Pal.
Food Products Palace.....	Fd. Pr. Pal.
Live Stock Palace.....	Lv. St. Pal.
Horticulture Palace.....	Hor. Pal.
Mines and Metallurgy Palace.....	Min. Pal.

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DEPARTMENT OF EDUCATION

Official Classification of Exhibits

GROUP 5 ELEMENTARY EDUCATION

- Class 8. Kindergarten.
- Class 9. Elementary Grades.
- Class 10. Training and certification of teachers.
- Class 11. Continuation schools, including evening schools, vacation schools and schools for special training.
- Class 12. Vocational education toward specific training and occupation.

Legislation, organization, general statistics.
School supervision and school management.
Buildings: plans, models; school hygiene.
Methods of instruction; results obtained.

GROUP 6 SECONDARY EDUCATION

- Class 13. High schools and academies, manual training schools, commercial high schools.
- Class 14. Training and certification of teachers.

Legislation, organization, statistics.
Buildings: plans and models.
Supervision, management, methods of instruction, results obtained.

GROUP 7 HIGHER EDUCATION

- Class 15. College examination and inspection boards in relation to college entrance requirements.
- Class 16. Colleges and universities.
- Class 17. Scientific, technical and engineering schools and institutions.
- Class 18. Professional schools.
- Class 19. Libraries.
- Class 20. Museums.

Legislation, organization, statistics.
Building: plans and models.
Curricula, regulations, methods, administration, investigations, etc.

GROUP 8 SPECIAL EDUCATION IN FINE ARTS

(Institutions for Teaching Drawing, Painting and Music.)

- Class 21. Art schools and institutes.
- Class 22. Schools and departments of music, conservatories of music.

Methods of instruction; results obtained.
Legislation, organization, general statistics.

GROUP 9 SPECIAL EDUCATION IN AGRICULTURE

- Class 23. Agricultural education in the elementary and secondary schools. Boys' and Girls' Agricultural Clubs.
- Class 24. Agricultural colleges and departments, experiment stations, instruction in forestry; methods and results.

Curricula, experiments and investigations, results.
Methods of transportation and shipment.
Legislation, organization, general statistics.
Buildings: plans and models.

GROUP 10 SPECIAL EDUCATION IN COMMERCE AND INDUSTRY

Commercial Education

- Class 25. Business and commercial schools, higher instruction in commerce.

GROUP 10-A Industrial Education

- Class 26. Industrial and trade schools, evening industrial schools.
- Class 27. Education of the Indian.
- Class 28. Education of the Negro.

GROUP 11

EDUCATION OF THE SUBNORMAL

- Class 29. Education of defectives and delinquents.
 Class 30. Institutions for the blind, publications for the blind.
 Class 31. Institutions for the deaf and dumb.
 Class 32. Institutions for the feeble-minded.
 Class 33. Special schools for cripples.
 Class 34. Open-air schools for tubercular children, etc.

Management, methods, courses of study, results.
 Special appliances for instruction.
 Legislation, organization, statistics.
 Buildings: plans and models.

GROUP 12

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, SCHOOL FURNITURE AND SCHOOL APPLIANCES

- Class 35. Summer schools.
 Class 36. Extension courses; popular lectures and people's institutes; correspondence schools.
 Class 37. Scientific institutions, societies and associations; scientific expeditions and investigations.
 Class 38. Educational publications, text books, etc.
 Class 39. School furniture, school appliances.

GROUP 13

PHYSICAL TRAINING OF THE CHILD AND ADULT

- Class 40. Lectures and conventions, physiology and hygiene of exercise, anthropometry, school games, school exercises, theory of physical training, etc.
 Class 41. Exhibits of work, photographs and plans of gymnasiums, fields, classes, teams, etc.
 Class 42. Exhibits of class work illustrative of school work, systems of gymnastics, etc.

DEPARTMENT B—EDUCATION

UNITED STATES

Physical Training, Elementary and Higher Education. Fine Arts, Agriculture, and Industry.

GROUP 5

ELEMENTARY EDUCATION

- California, State of. Av. B, bet. 4th and 5th Sts. School architecture and educational motion pictures of school activities.
 City of New York, The. N. Y. City Building. Photographs and statistics showing educational activities.
 Federal Council of Churches. 1st & 2nd Sts., Aves. D & E. Collective exhibit, charts models, diagrams, photographs.
 American Baptist Home Mission Society.
 American Missionary Association.
 Board of Home Missions and Church Extension of the Methodist Episcopal Church.
 Board of Foreign Missions of the Methodist Episcopal Church.
 Board of Missions, M. E. Church South.
 Christian Woman's Board of Missions.
 Lutheran Board of Foreign Missions of the General Synod of the Evangelical Lutheran Church in the U. S. A.

Woman's American Baptist Home Missionary Society.

Woman's Missionary Union Southern Baptist Convention.

Woman's Board of Domestic Missions, Reformed Church in America.

Woman's Home Missionary Society, Methodist Episcopal Church.

The Women's Occidental Board of Foreign Missions of the Presbyterian Church in the U. S. A.

Friction Transfer Pattern Company, The, New York, N. Y. V. I., 2nd St., bet. Aves. C & D. Education vocational schools.

Gary Public Schools, Gary, Ind. Av. B & 4th St. Wider use of the schools.

Illinois, State of. 3rd St., bet. Aves. A and B. Collective exhibit, models, photographs, charts, maps.

Indiana, State of. 4th St., bet. Aves. A and B. Collective exhibit by public schools.

Massachusetts, Commonwealth of. Av. C, bet. 5th & 6th Sts. Col. Ex. Pictures of elementary schools.

Missouri, State of. 3rd St. and Av. A. Decentralized system of education.

- New York, State of.** Av. C & 3rd St. Col. Ex. School drawings, paintings.
- Oregon, State of.** Av. A and 5th St. Department of Education. Rural school system of Oregon.
- Pennsylvania, Commonwealth of.** Av. D & 5th St. School hygiene.
- Utah, State of.** Av. B & 3rd St. Efficiency and economy of consolidation.
- Wisconsin, State of.** Av. B & 5th St. Col. Ex. Maps, charts and slides.

GROUP 6

SECONDARY EDUCATION

- Berkeley High School, Berkeley, Cal.** Av. E & 5th St. Transparencies, charts and objects.
- Department of Public Schools, Springfield, Mass.** Art; a living room completely furnished by pupils of Springfield high schools.
- City of New York, The.** N. Y. City Building. Photographs, charts, etc., showing educational activities.
- Gary Public Schools, Gary, Ind.** Av. B and 4th St. Wider use of the schools.
- Indiana Educational Committee, Indianapolis, Ind.** 4th St., bet. Avs. A and B.
- Ogden, Utah.** Av. B and 3rd St. School work and the industries of the city correlated.
- State Board of Education, Salem, Ore.** Rural System. Cor. Av. A and 5th St.
- California, State of.** Av. B, bet. 4th and 5th Sts. School architecture and educational motion pictures of school activities.
- Illinois, State of.** 3rd St., bet. Avs. A and B. Models, charts, photographs, maps.
- Indiana, State of.** 4th St., bet. Avs. A and B. Charts, maps, students' work, public schools.
- Massachusetts, State of.** Av. C, bet. 5th & 6th Sts. Charts, Maps and Models.
- Missouri, State of.** 3rd St. and Av. A. Decentralized system of education.
- New York, State of.** Collective school drawings. Av. C & 3rd St.
- Utah, State of.** Efficiency and economy of consolidation. Av. B & 3rd St.

GROUP 7

HIGHER EDUCATION

- American Library Association, Chicago, Ill.** Av. A, bet. 3rd & 4th Sts. Library Equipment, growth of public and institutional libraries, aids for establishing libraries, etc. A national organization, established in 1876, to promote the welfare of libraries in America. Headquarters, 78-E Washington St., Chicago.
- California, State of.** Av. B, bet. 4th and 5th Sts. Educational System.
- Carnegie Institution of Washington, Washington, D. C.** Av. C, bet. 4th & 5th Sts. Scientific research. Exhibits consisting of publications, transparencies, models, photographs, drawings and diagrams representing work of ten departments of research.
- City of New York, N. Y.** City Building. Educational System.
- Education, Board of.** St. Louis, Mo. 3rd St., bet. Avs. A & B.
- Federal Council of Churches.** 1st & 2nd Sts., Avs. D & E. Collective exhibit, charts, models, diagrams, photographs, literature,

Bible Institute of Los Angeles.
Canton Christian College.
The Moody Bible Institute.

Harris, The N. W. Public School Extension of Field Museum of Natural History, Chicago, Ill. Av. A, bet. 3rd & 4th Sts.

Illinois, State of. 3rd St. bet. Avs. A & H. Educational System.

Massachusetts, State of. Av. C, bet. 5th & 6th Sts. Educational System.

Missouri, State of. 3rd St. & Av. A. Educational System.

New York, State College of Forestry, Syracuse, N. Y. Agr. Pal.

New York State Ranger School, Wanaka, N. Y. Agr. Pal.

Prudential Insurance Co., The, of America, Newark, N. J. Av. A, bet. 3rd and 4th Sts. Charts and photographs illustrating the library of the Statisticians Department.

Smith College, Northampton, Mass. Higher Education of Women. Av. A and 4th St.

St. Louis, Missouri. Educational Museum of St. Louis Public Schools. 3rd St., bet. Avs. A & B.

University of the State of New York, The. State Education Department, Albany. Cor. Av. C & 3rd St. Centralization of the state educational system.

University of Oregon. Av. A and 5th St. Exhibit showing relation of work to educational system of State.

Utah, University of, Salt Lake City. Av. B & 3rd St. The educational opportunity in the great natural resources of the State.

U. S. Steel Corporation and Subsidiary Co's. New York. Collective. Ed. Ex. Min. Pal.

Wisconsin, State of. Av. B & 5th St. Charts, Maps, Specimen Arts.

Wisconsin, State of. Board of Education. Av. B & 5th St.

Whitaker & Ray-Wiggin Co., San Francisco, Cal. 2d St., bet. Avs. C & D. Publishers of writings of Joaquin Miller, David Starr Jordan and other noted writers. Exhibit with John Howell.

GROUP 8

SPECIAL EDUCATION IN FINE ARTS

Board of Education, Oakland, Cal. Education in music in the public schools including chorals, orchestras and bands.

City of New York, N. Y. City Building. Manual Arts Exhibit.

Commission on Fine, Applied and Manual Arts Education, San Francisco, Cal. Exhibit on Fine, Applied and Manual Arts education gathered from schools in the United States.

Fine, Applied and Manual Art Education. Av. B and 6th St. Collective Exhibit. Academy of Fine Arts, Chicago, Ill. Painting; illustration.

Alameda Public Schools. Evolution and application of flower spotting.

Albany School of Fine Arts, Jewelry.

Art Institute of Chicago. Painting, illustration.

Baltimore Public Schools. Object Arts

- Berkeley High School. Leather work and embroidery.
- Bristol, Conn., Public Schools. Water color.
- California School of Arts and Crafts. Model room; still life; mural. anatomy; charcoal; pottery; metal work.
- Chicago Public Schools. Costume; pose.
- Chicago School of Applied and Normal Art. Design.
- Chicago Normal School. Pictorial Stencils.
- Cogswell Polytechnic, San Francisco, Cal. Lamps.
- Crocker School, San Francisco, Cal. Embroidery.
- Cross Drawing Class, Brookline, Mass. Object drawing.
- De Kalb, Ill. State Normal printing.
- Denver Public Schools. Design, drawing.
- Eben Comins, Gloucester, Mass. Anatomical drawing.
- East Orange, N. J., Public Schools. Design.
- E. Spencer Macky School, San Francisco, Cal. Mural.
- Gulfport, Miss., Public Schools. Fish drawings.
- High and Endowed Schools. San Francisco, Cal. Art Room. 8th St. and Av. B.
- Hoboken, N. J., Public Schools. Community drawing.
- Hyannis, Mass., Normal School. Rural school.
- Harvard University. Landscape architecture.
- Janestown, N. Y., Public Schools. Design.
- Johnstown, Pa., Public Schools. Illustration and color.
- Leland Stanford, Jr., University. Pottery; murals; still life.
- Los Angeles, Cal., High School. Model room.
- Los Angeles, Cal., Public Schools. Potato block printing; posters.
- Los Angeles, Cal., Normal School. Costume design; posters.
- Lowell High School, San Francisco, Cal. Quick sketching.
- Minneapolis, Minn., School of Art. Charcoal drawing.
- Minneapolis Public Schools. Evolution of design.
- Milwaukee, West Division High School. School paper; story dramatization.
- Mission High School, San Francisco, Cal. Embroidery.
- Newark, N. J., Public Schools. Drawing.
- Normal School of Applied and Normal Art. Design.
- Oakland, Cal., Public Schools. Model room; water color; design.
- Ohio Mechanics' Institute. Lithography and trade design.
- Ontario, Cal. Rhythmic ruler.
- Pratt Institute, Brooklyn, N. Y. Model room.
- Pontiac, Ill., State Reformatory. Wrought iron.
- Ralph Helm Johannot. Design and its application to textiles.
- Richmond, Ind. "The High School as an Art Center."
- San Jose State Normal School. Model Room.
- San Mateo High School. Block printed; scarves.
- St. Paul, Minn., Institute of Art. Charcoal illustrations; sculpture.
- San Francisco Institute of Art. Printing; concrete tiles; leather work; mural.
- San Francisco Public Schools. Constructional manual training; transportation illustrated; model room.
- San Francisco Chinese School. Portola frieze.
- Santa Barbara Normal School. Textiles; weaving.
- Santa Barbara Public Schools. Meta work; tiles.
- Seattle Public Schools. Block printing; scroll saw work.
- Salt Lake City, Utah, Public Schools. Pottery; drawing.
- St. Louis School of Fine Arts, St. Louis, Mo. Book binding; picture frames.
- St. Walburgas Academy, N. Y. Illumination.
- Sophie Newcomb College, New Orleans, La. Model room.
- Springfield, Mass., Public Schools. Model room.
- Stanford University, Palo Alto, Cal. Pottery; composition; murals.
- St. Louis, Mo., Public Schools. Animals; landscape.
- Teachers' College, N. Y. Panama designs; photography.
- University of Nevada, Reno. Decorative plaster casts.
- University of Syracuse. Charcoal drawing; painting.
- Warrensburg, Mo., Normal School. Color scales from nature.
- Weehawken, N. J., Public Schools. Mechanical toys.
- Williamsport, Pa., Public Schools. Printed calendars.
- Wilmerding School. Furniture in model room.

GROUP 9

SPECIAL EDUCATION IN AGRICULTURE

- Agricultural College, Logan, Utah. The State at large, the college campus. 3rd St. & Av. B.
- California. Av. B, bet. 4th & 5th Sts. School architecture, and educational motion pictures of school activities.
- City of New York, N. Y. City Building. Agricultural Education.
- Federal Council of Churches. 1st & 2nd Sts., Avs. D & E. Collective exhibit, charts, models, diagrams, photographs, literature. American Missionary Association.
- Hough Company, Bomeyn B., Lowville, N. Y. Mezzanine floor, 5th St. Aids to study of woods and trees. "American Woods," a publication illustrated by specimens. "Handbook of Trees," photo-descriptive. Mounts of Woods for Lantern and Microscope. Pictures in tree studies. Wooden cross-section cards.
- International Harvester Co. of America, Chicago, U. S. A. Agr. Pal., 4th St. bet. Avs. B and C. Agricultural education in elementary and secondary schools. Boys' and girls' agricultural clubs. Agricultural colleges and departments, experiment stations, instructions in forestry, methods and results.
- Iowa. Agricultural education. 4th St. bet. Avs. A & B.
- Massachusetts. Av. C, bet. 5th & 6th Sts. Agricultural Education.
- New York State College of Forestry, Syracuse, N. Y. Agr. Pal.
- New York State Ranger School, Wanaka, N. Y. Agr. Pal.
- Oregon. Av. A & 5th St. Boys' and girls' agricultural clubs.

United States Department of Agriculture, Washington, D. C. Collective Exhibit on Agricultural Education. Av. B, bet. 3rd & 4th Sts.

California, University of, College of Agriculture and the Agricultural Experiment Stations. Exhibit in Horticulture, soils and fertilizers.

Illinois, University of, College of Agriculture and the Agricultural Experiment Stations. Exhibit in Agronomy.

Iowa State College of Agriculture and Mechanic Arts and the Agricultural Experiment Stations. Exhibit in rural engineering.

Kansas State Agricultural College. The Agricultural Experiment Stations. Exhibit in Agronomy and Animal Industry.

Louisiana State University and Agricultural and Mechanical College and Agricultural Experiment Stations. Exhibit in Agricultural, Technology and Plant Pathology.

Massachusetts Agricultural College and the Agricultural Experiment Station. Exhibit in Horticulture, Plant Pathology and Rural Sociology.

Minnesota, University of, College and School of Agriculture and the Agricultural Experiment Station. Exhibit in Animal Husbandry.

Missouri, University of, College of Agriculture and the Agricultural Experiment Station. Exhibit in Animal Husbandry.

New Jersey College for the benefit of Agriculture, Mechanic Art and the Agricultural Experiment Station of Rutgers Scientific School. Exhibit in soils.

New York State College of Agriculture at Cornell University and the Agricultural Experiment Station. Exhibit in Farm Management and Agricultural Technology.

Pennsylvania State College Institution of Animal Nutrition. Exhibit in Animal Husbandry.

South Carolina Clemson Agricultural College and Agricultural Experiment Station. Exhibit in Agronomy.

South Dakota State College of Agriculture and Mechanic Arts and the Agricultural Experiment Station. Exhibit in Horticulture.

Utah Agricultural College and the Agricultural Experiment Station. Exhibit in Entomology.

Vermont, University of, College of Agriculture and the Agricultural Experiment Station. Exhibit in Forestry.

Wisconsin, University of, College of Agriculture and the Agricultural Experiment Station. Exhibit in Rural Economics and Agricultural Technology.

GROUP 10

SPECIAL EDUCATION IN COMMERCE AND INDUSTRY

California, State of. Av. B bet. 4th & 5th Sts. School architecture and educational motion pictures of school activities.

Standard Commercial School Exhibit, 6th St. and Av. C. Commercial education. Forty students are being given thorough commercial course, including Gregg shorthand, "Rational" system of touch typing, 20th century bookkeeping, Palmer penmanship, business English and office practice. School term, April-October. Location, main east entrance Educational Palace.

Crocker & Co., H. S., San Francisco, Cal. Edison-Dick mimeograph. Exhibit with Standard Commercial School.

Elliott Addressing Machine Co., Cambridge, Mass. Collective exhibit. San Francisco office, 539 Market St. George Brosch, Manager.

Gregg Publishing Co., The, New York, N. Y. Gregg Shorthand Manual, Rational Typewriting, Applied Business English, Office Training for Stenographers.

Merriam Co., G. & C., Springfield, Mass. Dictionaries. Exhibit with Standard Commercial School.

Palmer Co., The A. N., New York, N. Y. The Palmer method of business writing.

Paltridge Metal Equipment Co., The, Chicago, Ill. Steel shelving, ledger and document filing equipment. Exhibit with Standard Commercial School.

Remington Typewriter Company, New York, N. Y. School equipment exhibit, Standard Commercial School, Palace of Education. General exhibit, Palace of Liberal Arts, Av. C, Block 6. Working exhibits, Palaces of Liberal Arts, Varied Industries, Food Products and Machinery Hall. Official typewriter of the Panama-Pacific International Exposition. Remington, Smith Premier, Monarch and Yost models, adding and subtracting typewriters and supplies. San Francisco office, 238 Bush St.

South Western Publishing Co., The, Cincinnati, Ohio. 20th Century bookkeeping and accounting. Exhibit with Standard Commercial School.

Standard Electric Time Co., The, Springfield, Mass. Program clocks. Exhibit with Standard Commercial School.

Todd & Co., E. W., Rochester, N. Y. Proctograph and check writer. Exhibit with Standard Commercial School.

Weber & Co., C. F., San Francisco, Cal. School, office and church furniture. Office and salesroom, 385 Market St., San Francisco, Cal.

Yawman & Erbe Mfg. Co., Rochester, N. Y. Filing equipment, library and office supplies and equipment. Office and salesroom, 716 Mission St., San Francisco, Cal. Exhibit with Standard Commercial School.

GROUP 10-A

INDUSTRIAL EDUCATION

California Industrial Exhibit.

City of New York Industrial Exhibit. New York City Building.

Gary Public Schools, Gary, Ind. Av. B & 4th St. Wider use of the schools.

Massachusetts, State-aided Vocational and Industrial Schools.

GROUP 11

EDUCATION OF THE SUBNORMAL

California, State of. Schools for the Blind. Av. B, bet. 4th & 5th Sts.

City of New York. Home for Feeble minded. New York City Building.

Elizabeth McCormick Memorial Fund, Chicago, Ill. Av. C, bet. 4th and 5th Sts. Open air school exhibit.

Massachusetts. Schools for the blind. Av. C, bet. 5th and 6th Sts.

New York State Department for the Blind. 4th St., bet. Ave. C and D.

Oakland, California. Sociological Clinic and Training of the Atypical Child. Av. C, bet. 4th and 5th Sts.

Sonoma, California. Sonoma State Home for Feeble-minded. Av. C, bet. 4th & 5th Sts.
Wisconsin, State of. State School for Deaf. Janesville School for the Blind. Av. B & 5th St.

GROUP 12

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, SCHOOL FURNITURE AND SCHOOL APPLIANCES

American Crayon Co., The, Sandusky, O. Art exhibition of crayon drawings. Av. B & 6th St. The pioneer crayon mfrs. established 1835. Makers of Waltham and Empire brands white and enamel black board crayons, Hygieia Dustless Crayons, Pastello, Crayograph, Crayonart, drawing crayons. Marking, checking, lumber, tailors', railroad and carpenters' crayons.

Andrews Co., A. H., Chicago, Ill. 5th St. & Av. A. Mfrs. chairs for theaters and churches, school desks, furniture and appliances. San Francisco Branch, 728 Mission St.

Binney & Smith Co., New York City. Mazzanine floor, Av. A & 5th St. Makers of GOLD MEDAL Crayons. Art exhibit of drawings and crayons, featuring "Crayola" wax and "Spectra" pastel crayons. "Au Du Septic" chalk. "Staonall" marking and lumber crayons. San Francisco office, Bert M. Morris Co., 444 Market Street.

Bradley, Milton, Boston, Mass. Kindergarten Materials. Mex. Floor, 5th St. & Av. A.

California, State of. Av. B, bet. 4th & 5th Sts. School Appliances.

Christinides, Manuel D., New York. Method of teaching English to Immigrants. 5th St. and North Wall of Pal.

Coleman, George A., 1635 Cedar St., Berkeley, Cal. Av. A and 4th St., North Entrance No. 3. Observation Bee Hives, Bees and Queens, Bee Books, Bee Keepers Supplies (A. I. Root), Nature Study Books and Supplies.

Columbia Graphophone Co., New York City. Lib. Arts Pal., opp. main ent. Grafonola for school purposes. Special school records. Modern language courses. Vocal instruction. Telegraph lessons.

Federal Council of Churches. Collective Exhibit. 1st & 2nd Sts., Avs. D & E.

General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Research Laboratory Collective Educational Exhibit.

Ginn & Co., Boston, Mass. Publishers. 5th St., Av. A. School and college textbooks. Teachers' Rest Room.

International Harvester Co. of America. Chicago, U. S. A. Agr. Pal. 4th St., bet. Avs. B & C. Extension courses, popular lectures and people's institutes, correspondence schools.

Laird & Lee, Chicago, Ill. Publishers. 5th St. and North Wall of Pal. Dictionaries.

Newson & Co., New York City. Publishers. 5th St. and North Wall of Pal. Educational publications.

Palmer Co., The A. N., New York City. Penmanship. 5th St. and North Wall of Pal.

Remington Typewriter Company, New York, N. Y. School Equipment Exhibit—Standard Commercial School, Palace of Education. General Exhibit—Palace of Liberal Arts. Av. C, Block 8. Working Exhibits—Palaces of Liberal Arts, Varied Industries, Food Products and Machinery Hall. Official Typewriter of the Panama-Pacific Intl. Exposition. Remington, Smith Premier, Monarch and Yost Models, Adding and Subtracting Typewriters and Supplies, San Francisco Office, 238 Bush St.

Singer Sewing Machine Co., New York, N. Y. V. I. Pal., 1st St., Av. D, 2nd St. & Av. E. Educational publications relative to the operation of sewing machines.

Todd & Co., E. W., Rochester, N. Y. Protectograph and check writer. 6th St. and Av. C. Exhibit with Standard Commercial School.

Yawman & Erbe Mfg. Co., Rochester, N. Y. 6th St. and Av. C. Filing equipment, library and office supplies and equipment. Office and salesroom, 716 Mission St., San Francisco, Cal. Exhibit with Standard Commercial School.

Victor Talking Machine, Camden, N. J. Phonographs. Talking Machines. Lib. Ar. Pal., Av. C, 4th & 5th Sts.

GROUP 13

PHYSICAL TRAINING OF THE CHILD AND ADULT

Board of Education, Newark, New Jersey. Photographs of interiors showing the type of equipment and construction used for every kind of work the Newark schools do. Photographs of exteriors showing the most modern buildings of the Newark system, together with some architectural details conspicuous for fitness and beauty of design.

California, State of. Av. B, bet. 4th & 5th Sts. Physical Training.

State of Oregon. Av. A & 5th St. Boys' and Girls' Agricultural Clubs.

Salt Lake City, Utah. 3rd St. & Av. B.

UNITED STATES

CALIFORNIA

Av. B, bet. 4th & 5th Sts.

GROUP 5

ELEMENTARY EDUCATION

GROUP 6

SECONDARY EDUCATION

Berkeley High School, Berkeley, Cal. Methods of Instruction in Hygiene.

Pasadena, Calif., High School. Models made by girls' class in sanitation, illustrating method of instruction in public hygiene.

School Architecture and Educational Motion Pictures of School Activities.

GROUP 7

HIGHER EDUCATION

School Architecture and Educational Motion Pictures of School Activities.

GROUP 8

SPECIAL EDUCATION IN FINE ARTS

School Architecture and Educational Motion Pictures of School Activities.

Oakland Board of Education. Education in Music in the Public Schools, including chorals, orchestras and bands.

GROUP 9

SPECIAL EDUCATION IN AGRICULTURE

School Architecture and Educational Motion Pictures of School Activities.

GROUP 10

SPECIAL EDUCATION IN COMMERCE AND INDUSTRY

School Architecture and Education Motion Pictures of School Activities.

GROUP 10A

INDUSTRIAL EDUCATION

School Architecture and Educational Motion Pictures of School Activities.

GROUP 11

EDUCATION OF THE SUBNORMAL

Oakland. Sociological clinic and training of the atypical child.

Sonoma. State Home for Feeble-Minded.

GROUP 12

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, FURNITURE AND SCHOOL APPLIANCES.

School Architecture and Educational Motion Pictures of School Activities.

GROUP 13

PHYSICAL TRAINING OF THE CHILD AND ADULT.

School Architecture and Education Motion Pictures of School Activities.

ILLINOIS

Location: 3rd St. bet. Aves. A & B.

GROUP 5

ELEMENTARY EDUCATION

Collective Exhibit.

GROUP 6

SECONDARY EDUCATION

Models, Photographs, Charts, Maps.

GROUP 7

HIGHER EDUCATION

Models, Charts, Maps.

INDIANA

Location: 4th St. bet. Aves. A & B

GROUP 5

ELEMENTARY EDUCATION

Collective Exhibit.

GROUP 6

SECONDARY EDUCATION

Charts, Maps, Students' Work.

GROUP 10A

INDUSTRIAL EDUCATION

Public Schools of Gary, Ind.

MASSACHUSETTS

Av. C, Bet. 5th & 6th Sts.

GROUP 5

ELEMENTARY EDUCATION

Collective Exhibit. Pictures of Public and Private Elementary Schools. Beverly, Clinton, Everett, Holyoke, Quincy, Somerville, Taunton, Westfield.

GROUP 6

SECONDARY EDUCATION

Collective Exhibit. Pictures of Public and Private Secondary Schools.

High Schools: Brockton, Clinton, Deerfield, Fitchburg, Holyoke, Lawrence, Lowell, Malden, Somerville, Westfield.

Private Schools: Academy of Notre Dame, Roxbury, Dana Hall, Dummer Academy, Groton School, Laselle Academy, Mt. Hermon School, Northfield Seminary, Phillips Academy Andover, Quincy Mansion parment, Oliver Ames High School, North ham Academy.

GROUP 7

HIGHER EDUCATION.

Collective exhibit of pictures of colleges, universities, technical institutions and normal schools.

Amherst College, Amherst.

Boston College, Boston.

Boston University, Boston.

Bridgewater Normal School, Bridgewater.

Clark College, Worcester.

Clark University, Worcester.

Fitchburg Normal School, Fitchburg.

Harvard University, Cambridge.

Hyannis Normal School, Hyannis.

Massachusetts Agricultural College, Am-

hurst.

Massachusetts Institute of Technology,

Boston.

Holy Cross College, Worcester.

Mt. Holyoke College, South Hadley.

North Adams Normal School, North Adams.

Radcliffe College, Cambridge.

Salem Normal School, Salem.

Simmons College, Boston.

Smith College, Northampton.

Tufts College, Medford.

Westfield Normal School, Westfield.

Wellesley College, Wellesley.

Wheaton College, Norton.

Williams College, Williamstown.

Worcester Normal School, Worcester.

Worcester Polytechnic Institute, Worcester.

GROUP 9

SPECIAL EDUCATION IN AGRICULTURE

Collective Exhibit:

Administration, Charts, Manual, Maps, Models, Pictures, Reports, Slides, Transparencies.

Ashfield Vocational Agricultural Dept. San-

derson Academy, Ashfield.

Brimfield Vocational Agricultural School,

Brimfield.

Bristol County Agricultural School, Segre-

ganet.

Concord Vocational Agricultural Depart-

ment, High School, Concord.

Essex County Agricultural School, Hawthorne.
 Hadley Vocational Agricultural Department, Hopkins Academy, Hadley.
 Marlborough Vocational Agricultural Department, Marlborough.
 Smith's Agricultural School and Northampton School of Industries, Northampton.
 North Easton Vocational Agricultural Department, Olive Ames High School, North Easton.
 Petersham Vocational Agricultural Department, High School, Petersham.

GROUP 10-A

INDUSTRIAL EDUCATION

Collective Exhibit:

Administration, Charts, Manual, Maps, Models, Pictures, Reports, Slides, Transparencies.
 Beverly Independent Industrial School.
 Boston Day Industrial School. Pictures, Product, Charts.
 Pupils' Work, Product, Chart.
 Boston Evening Industrial School, Dearborn School, Roxbury. Pictures, Product, Product.
 Boston Evening Practical Arts Courses, Warren School, Charlestown. Pictures.
 Boston Trade School for Girls. Pictures, Product, Charts.
 Boston Evening Practical Arts Courses, Washington Allston School. Pictures.
 Bradford Durfee Textile School, Fall River. Charts, Pictures, Product.
 Holyoke Vocational School. Pictures, Product, Charts.
 Lawrence Independent Evening Industrial School. Pictures, Product, Charts.
 Lowell Textile School. Charts, Manual
 Lowell Vocational School. Pictures.
 Massachusetts Nautical School. Charts, Course of Study, Maps, Pictures.
 New Bedford Independent Industrial School. Pictures, Product.
 New Bedford Textile School. Charts, Manual, Product, Slides.
 Newton Vocational School. Charts, Pictures, Product.
 North Attleborough Independent Evening Industrial School. Pictures, Charts, Product.
 Quincy Industrial School. Pictures, Product, Charts.
 Smith's Agricultural School and Northampton School of Industries. Pictures.
 Somerville Vocational School for Boys. Pictures.
 Somerville Vocational School for Girls. Charts, Pictures, Product.
 Springfield Vocational School, Springfield. Charts, Pictures, Product.
 Taunton Independent Evening Industrial School, Pictures.
 Wakefield Independent Evening Industrial School. Pictures.
 Westfield Trade School. Pictures, Charts.
 Worcester Boys' Trade School. Pictures, Product, Charts.
 Worcester Girls' Trade School. Pictures, Product, Charts.

GROUP 11

EDUCATION OF THE SUB-NORMAL

Massachusetts Resources for the Blind in Boston. Prevention, education, recreation, relief, employment, etc.
 Collective exhibit, photographs, motion pictures, etc.
 Perkins Institution and Massachusetts School for the Blind, Watertown.

Massachusetts Commission for the Blind, Boston.
 Woolson Factory House, Cambridge.
 Massachusetts School for the Feeble-Minded, Waltham.
 Wrentham State School for Feeble-Minded.
 Templeton Farm Colony for the Feeble-Minded.

MISSOURI

3rd St. & Av. A.

GROUP 5

ELEMENTARY EDUCATION

Decentralized system of education.

GROUP 6

SECONDARY EDUCATION

Collective Exhibit: Charts, Maps, Students' Work.

GROUP 6

SECONDARY EDUCATION

Collective Exhibit

GROUP 7

HIGHER EDUCATION

Collective Exhibit

NEW YORK

Av. C & 3rd St.

GROUP 5

DEPARTMENT OF EDUCATION

ELEMENTARY EDUCATION

Collective exhibit of school drawings, paintings, etc.

GROUP 6

SECONDARY EDUCATION

Collective exhibit of high school drawings, paintings, etc., academic and manual training.

Rochester, N. Y., East High School.
 Schenectady, N. Y., Grammar School.
 Syracuse, N. Y., Central High School.
 Utica, N. Y., Graded Schools.
 Utica, N. Y., Utica Free Academy.

GROUP 7

HIGHER EDUCATION

New York State College of Forestry, Syracuse, N. Y. Agr. Pal.
 New York State Ranger School, Wanekana, N. Y. Books, circulars, charts, etc.; legislation, organization, statistics, buildings, curricula, methods, investigation.
 City of New York. N. Y. City Building. Photographs, statistics.
 College of the City of New York. Botanical gardens, libraries, museums, aquariums.
 University of the State of New York. Av. C & 3rd St. Department of Education, Albany, N. Y. Complete exhibit showing centralization of supervision, with decentralization of service in a state school system. Topographical map of entire state, showing by different colored electric lights, types and location of whole number of educational institutions under the supervision of the University of the State of New York. Stereomograph exhibit of elementary, secondary, higher and administrative organization.

GROUP 8**SPECIAL EDUCATION IN FINE ARTS**

City of New York, N. Y. City Building. Photographs and detailed descriptive matter in chart form.

Metropolitan Museum, Brooklyn. Institute of Arts and Sciences.

GROUP 9**SPECIAL EDUCATION IN AGRICULTURE.**

New York State College of Forestry, Syracuse, N. Y.

New York State Ranger School, Wanekana, N. Y. Maps, charts, etc., showing instructions in forestry, curricula, experiments, investigation, results, legislation, organization, general statistics, buildings.

GROUP 10-A**INDUSTRIAL EDUCATION**

City of New York, N. Y. City Building. Photographs. Statistical data.

GROUP 11**EDUCATION OF THE SUB-NORMAL.**

New York State Department for the Blind. 4th St. bet. Ave. C & D. Educational and industrial schools and associations for the Blind of the State of New York. Fancy work, baskets, etc.

City of New York, N. Y. City Building. Photographs and data.

OREGON

Av. A & 5th St.

GROUP 5**DEPARTMENT OF EDUCATION****ELEMENTARY EDUCATION**

Rural school system of Oregon.

GROUP 7**HIGH EDUCATION**

University of Oregon.

GROUP 9**SPECIAL EDUCATION IN AGRICULTURE**

Boys' and Girls' Agricultural Clubs.

GROUP 13**PHYSICAL TRAINING OF THE CHILD AND ADULT**

Boys' and Girls' Agricultural Club.

UTAH

Av. B & 3rd St.

GROUP 6**SECONDARY EDUCATION.**

The efficiency and economy of consolidation. Granite, Box Elder, Jordan and other consolidated school districts.

Co-operation and consolidation made easily possible by the settlement of the state by towns. A closely knit school system distributing its advantages broadly.

Ogden, Utah. School work and the industries of the city correlated.

GROUP 7**HIGHER EDUCATION.**

University of Utah, Salt Lake City. The educational opportunity in the great natural resources of the state.

GROUP 9**SPECIAL EDUCATION IN AGRICULTURE**

Agricultural College, Logan. The state at large, the college campus.

GROUP 13**PHYSICAL TRAINING OF THE CHILD AND ADULT.**

Physical welfare for the pupils in Salt Lake City schools.

City of New York. N. Y. City Bldg. School Farm Exhibit.

WISCONSIN

Av. B & 5th St.

GROUP 5**ELEMENTARY EDUCATION.**

Collective exhibit, maps, charts, slides.

County Superintendent's office.

Kenosha Board of Education.

Milwaukee Continuation Schools.

Rural schools.

State Superintendent's office.

GROUP 6**SECONDARY EDUCATION.**

Board of Education, Janesville. Transparencies, slides, publications.

Board of Education, Wausau. Transparencies, slides, publications.

Board of Education, Menasha. Transparencies, slides, publications.

Board of Education, Racine. Photographs, slides.

School Board, Rice Lake. Lantern slides.

State Superintendent's office. Publications.

Oshkosh Manual Training School. Photographs and lantern slides.

GROUP 7**HIGHER EDUCATION.**

Collective exhibit.

Board of Regents, Normal Schools. Transparencies, photographs, etc.

Board of Regents, University. General university exhibit; special exhibit university extension; transparencies, electric map, lantern slides.

City Superintendent's office. Publications.

High Schools. Publications.

Independent Colleges. Publications.

Madison High School. Transparencies and slides.

Oskosh State Normal School. Booth for the Wisconsin educational exhibit, and furniture in lounging room in Wisconsin building.

Oakosh Public Library Board. Map, transparencies, slides.

State Superintendent's office. Publications, school laws.

Superior School Board. Lantern slides.

GROUP 11**EDUCATION OF THE SUB-NORMAL.**

Janesville School for the Blind.

State School for the Deaf.

Transparencies, photographs, etc.

GROUP 12**SPECIAL FORMS OF EDUCATION, TEXT
BOOKS, FURNITURE AND SCHOOL
APPLIANCES.**

Bureau of Education, Manila. Charts, text books, publications, reference books, statistics, administration, methods, models, industrial articles, research, photographs, illustrated lectures—to show system of vacation, institutes and assemblies, popular lectures, school research work, school

publications and text books and school furniture and appliances.

GROUP 13**PHYSICAL TRAINING OF THE CHILD
AND ADULT.**

Bureau of Education, Manila. Charts, class written work, textbooks, publications, reference books, statistics, administration, plans, photographs, motion pictures, illustrated lectures; the physical training of public school pupils.

FOREIGN GOVERNMENTS

ARGENTINA

3rd St. & Av. C.

GROUP 5

ELEMENTARY EDUCATION.

Photographs, students' work, publications.
See screens 1, 2, 3, 4, 5, 6 and 26, show cases 7 and 8, multiplex screen 1, transparency frames 5, 6, 7, 8, 9, 10, 11, 12, 13.
Kindergarten Provincial, Mendoza.
Direccion General de Escuelas, La Rioja.
Escuela No. 15, Mar del Plata.
Escuela No. 45, Timbana, Misiones.
Escuela No. 16, Mendoza.
Direccion General de Escuelas, San Juan.
Escuela Comun Mixta de Rauch, Buenos Aires.
Direccion General de Escuelas, Entre Rios.
Direccion General de Escuelas, Salta.
Escuela del 20 Grupo de Artilleria de Montaña, Salta.
Escuela "Benjamin Zorrilla," Salta.
Escuela Provincial de Ninas "Sarmiento," Salta.
Escuela No. 64, Tucumán.
Escuela "Sarmiento," Tucumán.
Escuela "Mitre," Tucumán.
Escuela Nacional No. 41, Santiago del Estero.
Escuela Nacional No. 42, Santiago del Estero.
Escuela Nacional No. 40, Santiago del Estero.
Escuela Nacional No. 43, Santiago del Estero.
Escuela "Zorrilla," Santiago del Estero.
Escuela Nacional No. 47, Rodeo del Medio, Mendoza.
Escuelas 1 and 2, Godoy Cruz, Mendoza.
Escuelas 10 and 21, Mendoza.
Escuela No. 47, Mendoza.
Escuela "Bartolome Mitre," Mendoza.
Escuela Modelo 14, Mendoza.
Escuelas 5 and 18, Mendoza.
Escuela "Presidente Quintana," Mendoza.
Escuela No. 1 de Varones, Mendoza.
Escuela "Castro Barros," La Rioja.
Escuela "Sarmiento," San Juan.
Escuela "General Mitre," La Rioja.
Escuela No. 52, Las Flores, San Juan.
Escuela "La Rosa," San Juan.
Escuela "Del Carril," San Juan.
Escuela "Rivadavia," San Juan.
Escuela Aberastain, San Juan.
Escuela "Fermin Rodriguez," San Juan.
Escuela "Rawson," San Juan.
Escuela "Sarmiento," San Juan.
Escuela "Zaballa," San Juan.
Escuela "Belgrano," San Juan.
Escuela "Laprida," San Juan.
Escuela "Modelo," San Juan.
Escuela "Sarmiento," Corrientes.
Escuela "General Belgrano, Corrientes.
Escuela "Centenario," Corrientes.
Escuela "Mariano Moreno," Corrientes.
Direccion General de Escuelas, Santa Fe.
Escuela Norte Americana, Rosario, Santa Fe.
Escuela Sarmiento, Santa Fe.
Escuela Nacional No. 23, Concepcion del Uruguay, Entre Rios.
Escuela "Viamonte," Concepcion del Uruguay, Entre Rios.

Escuela "Belgrano," Parana, Entre Rios.
Escuela Provincial "Centenario," Parana, Entre Rios.
Escuela No. 1, Bragado, Buenos Aires.
Escuela No. 3, Junin, Buenos Aires.
Escuela Infantil No. 1, San Nicolas, Buenos Aires.
Escuela "Estrugamou," Chacabuco, Buenos Aires.
Escuela Infantil, Mercedes, Buenos Aires.
Escuela Infantil, Pergamino, Buenos Aires.
Escuela No. 1, Las Flores, Buenos Aires.
Escuela Complementaria, Las Flores, Buenos Aires.
Consejo Escolar, Azul, Buenos Aires.
Escuela No. 4, Clavarría, Buenos Aires.
Escuela No. 17, Azul, Buenos Aires.
Escuela No. 1, Bahia Blanca, Buenos Aires.
Escuela No. 5, Bahia Blanca, Buenos Aires.
Escuela No. 1, Tres Arroyos, Buenos Aires.
Escuela No. 1, Tandil, Buenos Aires.
Escuela No. 1, Ayacucho, Buenos Aires.
Escuela No. 2, Ayacucho, Buenos Aires.
Escuela No. 3, Ayacucho, Buenos Aires.
Consejo Escolar, Ayacucho, Buenos Aires.
Escuela Nos. 5, 11, 12 & 2, Lujan, Buenos Aires.
Colegio "Euskal Echea," Llavallol, Buenos Aires.
Escuelas del Tigre, Tigre, Buenos Aires.
Escuela No. 1, Tres Arroyos, Buenos Aires.
Escuela Complementaria, Maipu, Buenos Aires.
Escuela No. 1, Maipu, Buenos Aires.
Escuela Comun No. 15, Mar del Plata, Buenos Aires.
Escuela No. 1, Mar del Plata, Buenos Aires.
Escuela No. 3, Mar del Plata, Buenos Aires.
Escuela No. 3, Dolores, Buenos Aires.
Escuela Infantil, Dolores, Buenos Aires.
Escuela No. 1, Dolores, Buenos Aires.
Escuela No. 1, Castelli, Buenos Aires.
Escuela Comun No. 1, Chascomis, Buenos Aires.
Escuela Comun No. 2, La Plata, Buenos Aires.
Direccion General de Escuelas, Buenos Aires.
Escuela Complementaria No. 2, La Plata, Buenos Aires.
Consejo Nacional de Educacion, Buenos Aires.
Colegios "Maria Auxiliadora" De Boca Barracas, Maldonado & Constitucion, Buenos Aires.
Escuelas Pias, Buenos Aires.
Escuelas "Guardia de Honor," Buenos Aires.
Escuelas Nos. 4, 8, 12 & 33 del Consejo Escolar No. 14, Buenos Aires.
Escuelas Nos. 1, 5, 6 & 7, del Consejo Escolar No. 11, Buenos Aires.
Escuelas Nos. 1, 2, 3, 4, 7, 15 & 21, del Consejo Escolar No. 12, Buenos Aires.
Escuelas Nos. 1, 2, 3, 9 & 10, del Consejo Escolar No. 8, Buenos Aires.
Escuelas Nos. 1, 6 & 13, del Consejo Escolar No. 9, Buenos Aires.
Escuelas Nos. 1, 2, 3, 4, 5, 14 & 16, del Consejo Escolar No. 10, Buenos Aires.
Escuelas Nos. 2, 3, 4, 5, 6, 8, 9, 11, 17 & 21, del Consejo Escolar No. 9, Buenos Aires.

Escuela Profesional de Mujeres (Provincial), Santa Fe.
 Escuela de Artes y Oficios, Chivilcoy, Buenos Aires.
 Escuela Profesional de Mujeres, San Fernando, Buenos Aires.
 Escuela Industrial, La Plata, Buenos Aires.
 Escuela Profesional de Mujeres, La Plata, Buenos Aires.

GROUP 11.

EDUCATION OF THE SUB-NORMAL.

Screens Nos. 5, 6, 12, show case No. 11.
 Instituto Nacional de Ciegos, Buenos Aires.
 Instituto Nacional de Sordomudas, Buenos Aires.
 Escuela de Niños Débiles del Parque Lezama, Buenos Aires.
 Escuela de Niños Débiles del Parque Olivera, Buenos Aires.

GROUP 12.

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, FURNITURE AND SCHOOL APPLIANCES.

Show cases Nos. 1, 2, 3, 4, 5, 6, 7, 8, booklets, photographs, furniture, text books.
 Angel Estrada y Cia. Buenos Aires. Text books.
 Antequeda, Prof. Manuel P., Parana (State of Entre Rios). Scholar Map of the State of Entre Rios.
 Beltran, Juan Gregorio, Avenida de Mayo 700, Buenos Aires City. Text-books and Pamphlets.
 Cabaut a Compania, Buenos Aires. Text books.
 Cabedo, Salvador. Perspectimetro.
 Calderón, Héctor M., Catamarca (State of Catamarca). War Map of Europe.
 Colegio "Carmen Arriola de Marin," San Isidro (State of Buenos Aires). Photographs.
 Colegio Maria Auxiliadora, San Isidro (State of Buenos Aires). Photographs.
 Colegio Maria Auxiliadora, Bernal (State of Buenos Aires). Photographs.
 Direccion General de Escuelas, Santa Fe.
 Escuela Agricola de Claypole, Claypole (State of Buenos Aires). Photographs.
 Estacion Enológica, Concordia (State of Entre Rios). Publications, Graphics, Photographs, Products.
 Ferreyra, Dr. Andrés, Buenos Aires City. Text-books.
 Pizzurno, Pablo, Buenos Aires City. Text-books.
 Uriarte, Dr. Gregorio, Buenos Aires City. Text-books.
 Selva, Ana B. de. Text-books.
 Sociedad Luz, Buenos Aires.

GROUP 13.

PHYSICAL TRAINING OF THE CHILD AND ADULT.

Screens No. 12, show case No. 11, multiplex screen No. 10.
 Instituto Nacional de Educacion Fisica, Buenos Aires.
 Comite Argentino, Buenos Aires.

CHINA

2nd St., bet. Ays. B & C.

GROUP 5

ELEMENTARY EDUCATION.

Thread work, embroidery, embroidered pictures, artificial flowers, paper works and paper models, water-color paintings, burnt clay works, hand works (bamboo, wood and metal), students' note-books, maps, photographs, statistics, clay models, and insect specimens.

Province of An Hui.

Hop Fai, 1st and 2nd, also Chi-Ming, Elementary.
 Lai an, Laitu Elementary, Nan ling, Elementary.
 Wu Wu, Ching Gin, Elementary.
 Anching, 1st and 2nd, 3rd and 4th. Provincial Elementary, also 1st Provincial for Girls.

Province of Ohe Kiang.

Chi-Chi, Ming Sing and Tsok Ren Elementary.
 Chi-Kai, District Intermediate, also Tung Sing for Girls.
 Deh Ching, District Elementary and Intermediate.
 Fen Wha, Tsok Sen Intermediate for Girls.
 Gin Deh, Elementary and Intermediate Model School for Girls.
 Hai Ning, Jan Kuan Elementary for Girls.
 Hai Zim, 1st Elementary and Intermediate, also Chu Sing for Girls.
 Hanchow, 3rd and 4th Intermediate and Honan Colonial, also Chue Keong, also Fook Sen, also Tai Kuan, and Ming-Mun Intermediate for Girls.
 Keh Ching, 1st Elementary, also Intermediate Normal for Girls.
 Keh Sin, Intermediate for Girls.
 Keh Woh, Elementary, also Intermediate for Girls.
 Kiang Shan, Intermediate, Model Elementary and Dong Sen Elementary, also Si Ho for Girls.
 Lung Yau, Tai Kuan for Girls.
 Ping Hu, Sen Chong Intermediate, Chuen Koong Ting, Sen I.I and 2nd City Elementary, also Sook Ying Intermediate for Girls.
 Ping Yang, Moh Bun Elementary, also District School for Girls.
 Seh Mun, 1st City School for Girls.
 Shang Yu, 1st Sing Ken and Tsung Jan, also Shang Yu District School.
 Soe Hsien, District Intermediate.
 Tsun Wan, Yok Ying for Girls.
 Tsung Deh, 1st and 3rd District.
 Tsung Yang, District Elementary and Intermediate for Girls.
 Whang Yam, Intermediate and Normal for Girls.
 Wing Hong, District for Woman Teachers.
 Wing Keh, 1st and 2nd Intermediate and model and 2nd Elementary.
 Wu Ching, District Intermediate and Sing Si for Girls.
 Wu Kong, Yi Ying District for Girls.
 Yu Yeu, Intermediate for Girls.

Province of Chi Li.

Ching Yuan, Normal School with Elementary.
 Peking, 1st and 4th Elementary for Girls, 4th public Elementary, Peking Intermediate for Girls, Bureau of Education, and Lung Chien Orphanage.
 Poh Yeh, Intermediate School.
 Shan Si, School (Province of Shan Si).

Tien Tsin, Department of Education, Elementary and Intermediate, Po Yok Intermediate for Girls, Normal School with Elementary.

Wu Ching, District and Wu Ching Elementary and Intermediate.

Province of Fu Kien.

Foochow, Si Sing Elementary, Wu Seh Shan, Mun Hou, Nan Sing, Ming Lun, Kung Hong, Tung Peh, also Peh Sing Elementary for Girls.

Province of Hellungkiang

Ching Jan, Provincial Elementary School. Yin Hsien, District Elementary for Girls.

Province of Hunan.

Wai Sui, Chue Chi, Tsung Sie and Siang-yin Provincial Schools for Girls of Hunan.

Province of Hunan

Changsha, Wai Sui, Sline Clu, Tsung Sie & Siang-yin. Provincial Schools for Girls of Hunan.

Province of Hupeh.

Chung Cheong, Elementary for Girls. Koong An, Intermediate for Girls. Whang Kong, Model Elementary for Girls. Wuchang, Lid Sie Educational Institution.

Province of Kiang Si.

Provincial Nanchang 1st and 7th Elementary and Intermediate Model, also Model Elementary and Intermediate, Deh Wai and Dai Tung Elementary, also Kong Sou, Ming Deh and Tai Deh for Girls. Tai Woh, for Girls.

Yok Shan, Jan Tu and Yok Shan for Girls. Bow Shan, 3rd District Intermediate and Elementary for Girls and Intermediate and Second Intermediate Schools, Bow Ying, Chue Shi and 4th Elementary.

Bow Ying, Elementary of Anhui and Bow Ying Elementary and Intermediate Schools, Bow Ying, Chue Shi and 4th Elementary.

Ching Wha, 1st Intermediate and District Elementary.

Ching Poo, Elementary and Intermediate.

Fen Yen, 3rd District Intermediate, also Seu Tsai Elementary for Girls, Gin Shan Yeung Chung Elementary, also Sook Sen Elementary for Girls.

Gin Tan, Intermediate and Elementary for Girls, Private Elementary, Sah Shi and 2nd Intermediate for Girls.

Hai Mun, District Intermediate.

Hai Yu, 8th Chin nan Elementary.

Keh Ding, 1st Intermediate for Girls.

Ki Yung, City Elementary for Girls.

Kiang Ning, See Ming for Girls and Grade for Young Girls, also 1st, 4th and 7th City Elementary for Girls.

Kiang Poo, Oi Kuan for Girls.

Kiang Tu, Yok Ying School for Girls.

Kiang Yin, Mah Jan Ching Elementary, also District Intermediate and 3rd District for Girls.

Kuan Shan, 1st and 2nd Intermediate, also Tsung Sih and District Intermediate for Girls.

Len Sui, Elementary School.

Lu Hop, City Elementary for Girls.

Nan Tung, Si Ting and 2nd Intermediate, Nan Tung Intermediate Normal, Girls' Elementary Normal, Girls' Intermediate Normal, 1st Kindergarten and Gin Sah Elementary and Intermediate for Girls. Nan Wai, Sing nan for Girls, Tsung Sih, and 3rd Elementary.

Province of Kiang Su.

Shanghai, Huchow Intermediate of Chekiang for Girls, Man Jok Elementary, Kiu Jok and Sin Yu Elementary, 2nd Normal with Elementary, also District Intermediate for Girls, Oi Quan and District Elementary for Girls, Soat Sing Tsau Sou Sing Tung and Goong Woh Intermediate for girls.

Siang Suh, Kwei Chuen, and District Intermediate and Elementary for Girls.

Sook Yang, Chi Sing Elementary and 1st Private Intermediate, 1st and Chi Ming Private for Girls.

Suet Yang, Fong Lon for Girls.

Tai Ching, 2nd Intermediate School.

Tai Hsien, 1st District Intermediate, also Normal with Elementary and Mok Suh Elementary for Girls.

Tan Tu, 5th Elementary, also Mohammedan and Tien Jok Whol for Girls.

Tan Yang, Short Term Normal and Intermediate, Ching Deh for Girls, also Sui Fang, Sui Ying, Noen Fang, Tai Bun Private Schools for Girls.

Tsung Kiang, 1st Intermediate.

Tsung Ming, Wui Wen Elementary Kai Wen and Seung Chi for Girls, also Sing Tung Elementary and 5th Intermediate. Tung Tai, 1st and 6th Intermediate and Bing Char and 6th Bing Char Elementary Schools, District Intermediate Elementary and City Intermediate for Girls, Tsai Shi Private and Chi Tung Elementary for Girls.

Wai An, Ching Wan and 3rd Intermediate. Wai Yin, Sing Yu Elementary and 1st Intermediate.

Wu Ching, Yok Chi Intermediate, also 2nd, 3rd and 10th Intermediate, also Elementary Schools, 1st District for Girls, and Sing Si Intermediate.

Wu Hsien, 2nd, 3rd and 4th Intermediate and 2nd Nan Ki Elementary, Jan hui and Mok Suh Elementary for Girls.

Wu Sih, 1st Intermediate and Jik Yi Elementary and 3rd Intermediate and 6th Elementary, Hung Moh Intermediate, also Jan Ying, Ching Koh, Ching Wha, Chu Woh and 2nd Elementary for Girls. Yu Ching, Sin Kuan Intermediate, Yeun Choh and Ming Sing Elementary and 2nd District Intermediate for Girls, also District Seu Wha for Girls.

Yu Koh, Sah Shi School for Girls.

Zim Sing, Lung Kong, Shang Kong, Sing Deh Intermediate and District School for Girls, and Intermediate School.

Province of Kwang Tung.

Ching Hoi, Swatow Kuan-Kong for Girls. Fah Yin, Lok Young Elementary for Girls.

Heun Shang, Tung-jan Yan-tu, Yin Chov Lum-jan Mark and Tung Jan Elementary, also District Normal and Hsia-koong-jan Yu-mei, and Chien-shan Kuan-deh, Jiu Deh, Jing Deh for Girls, also District Elementary Normal.

Jek Ki, Elementary School.

Koh Ki, Private Elementary and Intermediate.

Koh Kiang, Moh Bun Intermediate and 1st District Elementary, also Elementary for Girls.

Kwanchow, 1st and 2nd Intermediate and 3rd, 5th and 22nd Elementary, also 27th Elementary and Intermediate, and also Goong Yick for Girls.

Nan Hoi, District Intermediate.

Sun Ning, Lee Shi Dau-Deh, Dig Hoi, and Ning-Hoi Quong-yick Intermediate, also Fung Kong Elementary and District Elementary. Normal.

Tung-Kuen-Hsien, Elementary for Girls and Kai Ming Elementary School.

Province of Kweichow.

Kwei-Yang, Nan Ming, Dah Deh, also Yuen Deh, Fook Tan Kwang Yu, Yok Ying Elementary for Girls and Model Provincial Elementary Schools.

GROUP 6

SECONDARY EDUCATION.

Peking, Tsing Hua College. 2nd St. & Av. B. Photographs, specimens of students' work, models.

Republic of China. 2nd St., bet. Avs. B & C. Students' note-books and compositions in English, German, French, and Chinese; school hygiene; drawings; designs; wooden models; and students' publications. Mineral, plant, insect and animal specimens, silk-worm and microscopic specimens, silk-worm eggs; cocoons; raw silks; sericulture building; paper, wood and clay models; paper and thread works; embroideries; embroidered pictures and screens; embossed works; oil and water color paintings; stone seals; calicoes; photographs; artificial owers and birds; hand works and bamboo wood.

Province of An Hui.

Poon Yu, Middle School.

Wu Hu, Middle, Ching Jan, also 1st and 2nd Normal.

Anhui Provincial, 1st and 2nd Middle, Liu Yip, Choen Jue and also Che Chow Middle Schools.

Anching, 1st and 2nd Provincial Middle, Liu Yip, Choen Jue and Che Chow Middle Schools.

Gin Deh, 8th Middle of Chekiang.

Hangchow, Wang-ho-ku Girls' Normal.

Gin Hua, 7th Normal School.

Keh Ching, Deh Ching and Intermediate Normal for Girls.

Keh Woh, Girls' Normal School.

Province of Che Kiang.

Li Sui, Public Normal for Girls.

Wang Yam, Intermediate Normal for Girls.

Wing Hong, District Normal for Woman Teachers.

Wing Keh, 10th Middle and 10th Normal.

Yu Yeu, Normal for Girls and 1st Normal of Che Kiang.

Province of Chi Li.

Chew Hsien, Middle School.

Ching Yuan, Normal attached to Elementary.

Dai Ming, Middle School.

Peking, 1st Public Middle for Girls and Si Ping Normal for Girls.

Tien Tsin, Middle and Nan Kai Middle, Chi Li Normal for Girls.

Wing Ting, Middle School.

Chi Li-Provincial, Normal with Elementary, also 2nd, 3rd and 4th Normal.

Province of Shan Si.

Shan Si, 1st Normal for Girls.

Province of Fu Kien.

Foochow, High Normal School.

Province of Heilungkiang.

Tsitsihar, Provincial and Middle, also Normal and Middle for Girls.

Province of Hunan.

Siang Ching, Lin Bin, and 1st Normal for Girls.

Changsha, 2nd Provincial Normal, High Normal, Yok-Choi School and Tai Deh for Girls of Hunan.

Province of Hupeh.

Wuchang, Girls' Middle, 1st Normal and 1st and 2nd Middle Schools, also Serk-Ting Middle School.

Province of Kiang Si.

Goongchow, Goongchow Middle School.

Nanchang, Shum yuan Middle.

Nanchang, Kwangsen Middle, Provincial Normal and Yu-Moh School for Girls, also High Normal of Kiang Si.

Province of Kiang Su.

Kiang-ning, Jan Suh School for Girls.

Kiang Yin, Nan Ching School.

Nan Tung, Girls' Normal Intermediate and Girls' Intermediate Normal, 7th Middle and Girls' Elementary Normal School.

Nan Wui, Yang Git School for Girls.

Shanghai, Girls' Middle School, and Ching Choong Middle, also 2nd Normal with Elementary.

Tai Hsien, Normal School with Elementary.

Tan Tu, Normal School.

Tan Yang, Short-Term Normal School.

Wai Yin, 6th Normal School.

Wu Ching, District Normal School for Girls.

Nanking Provincial, 1st and 2nd Provincial Normal for Girls, also 1st, 5th and 9th Middle Schools and 4th Provincial Normal.

Province of Kwangtung.

An Yu, Normal for Girls.

Chew Chow, Middle School.

Heung Shan, Normal for Girls, also District Middle School and District Intermediate for Girls and Elementary Normal for Girls.

Kwangchow, Chow-suh Bah-yip and Kwang fu Middle, also Tien-mah-hang Fook-li for Girls and Provincial Normal for Girls, and Normal with Middle School, also Kuan Wai School for Girls.

Lo Ding, Middle School.

Nan Hoi, Middle School.

Soon Deh, District Elementary Normal School.

Sun Ning, District Elementary Normal School.

Sung Ming, District Middle School and District Normal for Girls.

Tung Kuen, 1st District Middle School.

Wai Chow, Middle School.

Kwangchow Provincial, 1st Middle School.

Kai-Ming and High Normal School, Tu-Suh for Girls.

Province of Kweichow.

Kwei-Yang, Model Provincial Middle School.

Province of Yunnan.

Yunnan, Provincial Schools.

GROUP 7

HIGHER EDUCATION.

Students' note-books and compositions, straw screens, wooden models, plants, insect, animal specimens, ornamental articles, artificial flowers, analytical drawings of the human body, photographs, maps, literature, statistics.

Province of Chi Li.

Peking, Tsing Hua College, Research work on Chinese Historical Places.

Peking, Ministry of Education.

Tien Tsin, Peiyang University, Commercial Museum.

Province of Shan Si.

Tai-Anfu, University of Shan Si.

Province of Fu Kien.

Foochow, Ing-Hua College and Hip Wuh Medical College.

Province of Hunan.

Changsha Provincial Exhibit Association.

Province of Hupeh.

Wuchang, Chung Hua College, also College of Foreign Languages and College of Law.

Province of Kiang Su.

Tung Tai, Educational Association.
Shanghai, Government Institute of Technology.

GROUP 8**SPECIAL EDUCATION IN FINE ARTS.**

Oil and water color paintings, thread works, embroideries, artificial flowers, and embroidered pictures.

Province of Kukien.

Foochow, Chien Shan Girls' School.

Province of Hupeh.

Wuchang, Kiang Nan Girls' School and School of Fine Arts for Girls.

Province of Kiang Si.

Tai Hsien, Tai Ying Girls' School.
Tsung Ming, Tsun Hing, Yok Tsai, Ming Deh Schools for Girls.

Province of Kiang Su.

Kiang Tu, Public School for Girls.
Shanghai, School of Fine Arts for Girls, also Special School for Drawing, and Painting.

Suk Tsai, Catholic School for Girls.

Tai Hsien, Wan Chu Girls' School.

Tsung Kiang, Hua-ting-Tsung-kuan School.
Wu Hsien, Wu Ling, Su Su, Song Tung and So Fou Schools for Girls.

Wu-Kiang, Li Deh School for Girls.

Wu Sih, Ching Chu, Jan Sou, Chu Sing, Yik Chung School for Girls, also Embroidery Association.

Yu Ching, Educational Association.

Province of Kwangtung.

Kwangchow, School of Fine Arts.

GROUP 9**SPECIAL EDUCATION IN AGRICULTURE.**

Cocoons, raw silk, photographs, drawings, plant, grain, seed and silk worm specimens, nut oils, literature, statistics, and wooden works.

Province of Anhui.

Anhui Provincial, Agricultural Experiment Station.

Province of Chekiang.

Hangechow, 1st Class Provincial School of Agriculture.

Li Sui, School of Agriculture.

Yu Yeu, School of Agriculture.

Province of Chihli.

Ching Yin, Public School of Agriculture.

Province of Heilungkiang.

Tsitsihar, Provincial School of Agriculture, culture.

Province of Hupeh.

Wuchang, School of Agriculture.

Province of Kiang Si.

Nanchang, Provincial School of Agriculture.

Province of Kiang-Su.

Nan Tung, School of Agriculture, and 3rd Provincial School of Agriculture.

Province of Kwangtung.

Kwangchow, Agricultural Experiment Station.

Tung-Kuen, Agriculture Experiment Station.

Province of Shantung.

Tai-nan, School of Agriculture.

Yik-Tu, School of Agriculture.

Province of Szechuen.

Ching Tu, School of Agriculture.

GROUP 10**SPECIAL EDUCATION IN COMMERCE AND INDUSTRY.**

Photographs and statistics.

Province of Anhui.

Wu Hu, Commercial School.

Province of Chekiang.

Keh Woh, 2nd Class Commercial School.

Province of Chi Li.

Tien Tsin, Commercial Museum.

Province of Szechuen.

Chingtu, Commercial School.

GROUP 10-A**INDUSTRIAL EDUCATION.**

Nets, boat models, canned shrimps and fish, fish specimens, photographs, students' notebooks and examination papers, drawings, electrical instruments, fan model (hot air), steam engine, wood and iron models, silk cloths, silk threads, cocoons, woven figures and pictures, embroideries, sweaters, stockings, seed oils, statistics, literature.

Province of Chekiang.

Hangechow, Si Hu Silk, 1st Class Industrial and Girls' Textile School.

Province of Chi Li.

Peking, Industrial School.

Tien Tsin, Industrial Experiment Station, Dept. of Industries, 2nd Class Industrial, Marine Production, Textile Schools, also Chi Li Provincial Industrial School.

Province of Fukien.

Foochow, Industrial Normal for Girls.

Province of Heilungkiang.

Tsitsihar, Provincial Industrial School.

Province of Hunan.

Changsha, Provincial Hua-yung Jan-hua Industrial Institute, Hunan Provincial Poor People's Industrial, also Hunan Provincial Industrial School.

Province of Hupeh.

Wuchang, Silk Industrial School, also Private Textile School for Girls.

Province of Kiang Si.

Nanchang, Silk Industrial School for Girls.
Kiang Si Provincial Industrial School for Girls.

Province of Kiang Su.

Koh-Yau, Girls' Manual Training School.

Wuchang, Girls' Textile School.

Wusih, Industrial School.

Yo-Koh, Girls' Textile School.

Nanking, Provincial, Silk Industrial for Girls, Kiang Si, 2nd Provincial Industrial School.

Province of Kwangtung.

Kwangchow, Girls' Textile and Kwangtung Industrial School.

Poning, 2nd Class Industrial School.

Province of Kweichow.

Kweiyang, Bureau of Industries and Girls' Industrial School.

Province of Szechuen.

Chengtu, High School for Silk Industry, Advanced School for Industries and Industrial School.

GROUP 11

EDUCATION FOR THE SUB-NORMAL.

Photographs, literature, thread works.

Province of Chi Li.

Peking, Tung-an-men School for the Blind.

Province of Fukien.

Foochow, School of the Blind and Mute.

GROUP 12

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, FURNITURE AND SCHOOL APPLIANCES.

Photographs and literature.

Province of Hunan.

Changsha, Hua-yang Jan-hua Industrial Institute.

Province of Hupeh.

Wuchang, Model Lecture Society.

GROUP 13

PHYSICAL TRAINING OF THE CHILD AND ADULT.

Photographs.

Province of Kwangtung.

Kwangchow, Girls' School for Physical Training.

CUBA

GROUP 5

ELEMENTARY EDUCATION.

Cuban Government Public Schools. Model of school house, maps, drawings, sewing, Sloyd, embroidery, pictures showing school statistics. Work from normal school to kindergarten.

GROUP 6

SECONDARY EDUCATION.

Colegio Frances, Cienfuegos. Photographs.

Cuban Government (Institutes of Cuba). Photographs, collection of natural history by students, drawings.

GROUP 7

HIGHER EDUCATION.

College of Nuestra Señora de Monserrate, Cienfuegos. Annals, pamphlets and photographs.

Cuban Government (University of Havana). Photographs, books, statistics, by students of the School of Architecture and Civil Engineering.

GROUP 10A

INDUSTRIAL EDUCATION.

Cuban Government (Escuela de Artes y Oficios). Photographs.

GROUP 12

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, SCHOOL FURNITURE AND SCHOOL APPLIANCES.

Oscar Ugarte, Havana. Album of pictures of voluntary work by a teacher.

Mateo T. Fiol, Havana. Books.

Miguel Garmendia, Matanzas. Books.

Arturo Van Caneghen, Havana. Books.

Lorenzo A. Ruiz, Matanzas. Books.

Cuban Government (Department of Public Instruction), Cuba. 8 pamphlets.

J. L. Montiel y Prieto, Cuba. A Mexican, permitted to exhibit by Commissioner. These books not used in public schools.)

Constantino Horta y Pardo, Havana. Publications.

Dr. Juan M. Dihigo, Havana. Publications.

GROUP 13

PHYSICAL TRAINING OF THE CHILD AND ADULT.

Cuban Government Public Schools. Photographs of school exercises.

GUATEMALA

Guatemalan Pavilion, near Inside Inn, back of Japanese Gardens.

GROUP 5

ELEMENTARY EDUCATION.

Photos, publications, statistics.

Ministerio Instruccion Publica Escuelas

Practicas centrales y departamentales.

Boys and girls.

GROUP 6

SECONDARY EDUCATION.

Photos, publications, statistics.

Ministerio Instruccion Publica.

Instituto Nacional de Varones.

Instituto Nacional de Senoritas, Belen.

GROUP 7

HIGHER EDUCATION.

Photos, publications, statistics.

Ministerio Instruccion Publica.

Facultad de derecho.

Facultad de Medicina y Farmacia.

Facultad Ingenieria.

National Museum.

Museum of Escuela de Medicina y Farmacia.

GROUP 8

SPECIAL EDUCATION IN FINE ARTS.

National Conservatory.

GROUP 9

SPECIAL EDUCATION IN AGRICULTURE.

Photographs and regulations.

Escuela Normal Belen.

Escuela Normal Varones.

Gardin Experimental.

GROUP 10

SPECIAL EDUCATION IN COMMERCE AND INDUSTRY.

Escuela Nacional de Comercio. Boys.

Escuela 21 de Noviembre, Girls.

GROUP 10-A

INDUSTRIAL EDUCATION.

Photographs and regulations.

Escuela de Artes y Oficios Femeniles, Girls.

GROUP 11

EDUCATION OF THE SUB-NORMAL.

Photographs and regulations. Motion pictures.

Hospicio Nacional.

Casa de Correccion de nienores.

GROUP 12

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, FURNITURE AND SCHOOL APPLIANCES.

Ministerio Instruccion Publica.

HONDURAS

Pavilion of Honduras, Near Inside Inn, Back of Japanese Gardens

GROUP 5

ELEMENTARY EDUCATION

Abigail Canales, Pespire (Province of Choluteca). A plaster of pasteboard bird.

Escuela Elemental, Comayagua (Province of Comayagua). Works of the pupils from 6 to 16 years old.

Escuela Elemental, Esquias (Province of Comayagua). Works of the pupils.

Escuela de las Mesitas (country school of Corquín), Corquín (Province of Copán). An embroidery.

Escuela de Varones, Santa Rosa (Province of Copán). Work of its pupils, pencil designs, etc.

Escuela Municipal, Corquín (Province of Copán). Designs, etc.

Escuela Municipal, El Rosario (Province of Comayagua). Manual works of the pupils.

Kindergarten of Tegucigalpa, Tegucigalpa (Province of Tegucigalpa). Manual works of the pupils, 4 to 9 years old.

Mercedes Canales, Pespire (Province of Choluteca). A plaster work.

GROUP 6

SECONDARY EDUCATION.

Instituto Central de Varones, Tegucigalpa (Province of Tegucigalpa). Pencil and ink designs of its pupils.

Colegio "La Fraternidad," Juticalpa (Province of Olancho). Wooden works and designs.

GROUP 7

HIGHER EDUCATION.

Escuela Normal, Tegucigalpa (Province of Tegucigalpa). Anatomies and decorative works in chalk, taxidermy works, geometrical solids, etc.

Escuela Normal, Tegucigalpa (Province of Tegucigalpa). Collection of insects.

Escuela Normal, Tegucigalpa (Province of Tegucigalpa). Statistics, statement and photographic pictures of the same school.

Colegio de "Maria Auxiliadora," Tegucigalpa (Province of Tegucigalpa). National flag of Honduras embroidered in silk and gold monk gown and bed cover in silk embroidered.

GROUP 10

SPECIAL EDUCATION IN COMMERCE AND INDUSTRY.

Antonio Vega, pupil of the National Art School, Tegucigalpa (Province of Tegucigalpa). Ornamental carved chair.

Manuel Gonzales, M., Prof. of the National Arts School, Tegucigalpa (Province of Tegucigalpa). Mosaic and carved wood wardrobe cabinet.

Escuela de Artes y Oficios, Tegucigalpa (Province of Tegucigalpa). Samples of foundry, melting and scholar furniture works.

Escuela de Artes y Oficios, Tegucigalpa (Province of Tegucigalpa). Works in iron.

Alfonso A. Gonzales, pupil of the National Arts School, Tegucigalpa (Province of Tegucigalpa). Show cases in fine woods and book cases.

Marcos Ramirez, pupil of the National Arts School, Tegucigalpa (Province of Tegucigalpa). Wooden artistic works.

GROUP 11

EDUCATION OF THE SUB-NORMAL.

Penitenciaría Central, Tegucigalpa (Province of Tegucigalpa). Works in horse hair, cotton, etc., made by the sentenced delinquents.

Presidio Nacional, La Esperanza (Province of Intibuca). Cotton clothes by the delinquents.

ITALY

Italian Pavilion: Av. of Nations, near Fine Arts Palace

JAPAN

2nd & 3rd Sts. & Av. D.

GROUP 5.

ELEMENTARY EDUCATION.

Sakamoto Elementary School. Students' work.

Elementary School. Students' work.

Agriculture and Forestry School of Aichi Prefecture. Specimens, models.

Uyeda Special School of Sericulture and Filature. Pictures, specimens.

GROUP 6.

SECONDARY EDUCATION.

First Middle School of Tokyo Prefecture. Prospectus, photographs, textbooks, students' work.

Noh School for Marine Products of Niigata Prefecture. Prospectus, photographs, diagrams, models.

Tokyo Higher Normal School for Girls. Prospectus, students' work.

Tokyo Aoyama Normal School for Girls. Prospectus, students' work.

Tokyo Higher Normal School for Girls. Prospectus, photographs.

First High School for Girls of Kyoto Prefecture. Prospectus, students' work.

Monbusho—Historical explanation of period when Commodore Perry arrived at Japan. Photos of school conducted by Americans in Japan. Educational statistics.

GROUP 7.

HIGHER EDUCATION.

College of Agriculture of the Tohoku Imperial University. Pictures, insects, journals.

Japan Women's University (Private). Prospectus, diagrams, students' work.

Kushu Imperial University. Photographs, maps, journals.

Tokyo Imperial University. Photographs, maps, journals, prospectus, diagrams, students' work.

Kyushu Taihoku Daigaku—Photographs and diagrams.

Tokyo Taihoku Daigaku—Photographs and rules of Imperial University.

GROUP 8.

SPECIAL EDUCATION IN FINE ARTS.

Photographs, students' work.

Fine Art School for Girls (Private).

Special School for Painting of Kyoto City.

Tokyo Fine Art School.

Ishikawakenritsu Kogyo Gakko—Porcelain and other work.

Toyamakenritsu Kogyo Gakko—Sculpture and other work.

Shiritsu Joshi Bijutsugakko—Japanese painting, oil painting, knitting, embroideries and sewing.

Shiritsu Osaka Kogyo Gakko—Students' work and models.

Shiritsu Nippon Joshi Daigakko—Photographs and diagrams.

Shiritsu Kyoritsu Joshi Shokugyo Gakko—Dress, furniture, ornaments.

Shiritsu Nogoya Shogyo Gakko—Photos and students' work.

Sagakenritsu Arita Kogyo Gakko—Porcelains and other work.

Tokyo Joshi Koto Shihan Gakko—Students' work and photos.

Tokyo Koto Kogyo Gakko—Model of present Japanese house. Dyed fabrics and porcelain.

Tokyo Bijutsu Gakko—Japanese picture, designs, lacquer.

Tokyo Furitsu Kogei Gakko—Furniture and ornaments.

Wakayamenken Kuroyo Choritus Shiki Gakko—Lacquer ware.

Tokyo Furitsu Shokko Gakko—Furniture and photograph.

Tokyo Furitsu Shokusen Gakko—Dyed cotton fabric.

Tohoku Teikoku Daigaku Noka Diagaku—Models and photographs showing the development of the college of agriculture.

Uyeda Sanshi Senmongakko—Pictures showing spinning and silk worm, silk, cocoon and eggs.

Aichikenritsu Norin Gakko—Model school, model of forest, specimen of forest products.

Nigatakenritsu Nobu Suisangakko—Models of fishery apparatus, canned goods, diagrams, photos.

GROUP 10

SPECIAL EDUCATION IN COMMERCE AND INDUSTRY.

Kyoto Shiritsu Bijutsu Mogei Gakko—Students' work.

Kyotofuritsu Daiichi Koto Jogakko—Students' work.

Kyotofuritsu Daiichi Koto Jogakko—Students' work.

Shiritsu Joshi Eigaku Juku—Students' work, diagrams.

Tokyoshi Sakamoto Jinjo Shogakko—Students' work.

Tokyofu Aoyama Shihan Gakko—System of teaching and drilling students, work of the students.

Kyoto Koto Kogei Gakko—Process of making "Yuzen" fabrics, the designs.

Tokyo Koto Shihan Gakko—Photograph of school.

GROUP 10-A

INDUSTRIAL EDUCATION.

Prospects, photographs, students' work, diagrams.

Artisan's School of Tokyo Prefecture.

Art and Technical School of Kyoto City.

Arita Technical School of Saga Prefecture.

Commercial School of Nagoya City.

Girls' School of Industry (Private).

GROUP 11.

EDUCATION OF THE SUB-NORMAL.

Tokyo School for Deaf. Textbooks, students' work, prospectus.

Tokyo School for Blind.

GROUP 12.

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, FURNITURE AND SCHOOL APPLIANCES.

English Language School for Girls (Private).

Tokyo Mo Gakko—Photo of raised type text books.

Tokyo Moa Gakko—Text book system of teaching.

Tokyofu Daiichi Ohugakko—Text books, students' work, photographs.

NETHERLANDS

Netherlands Pavilion, Esplanade, near the Fine Arts Palace.

GROUP 9

SPECIAL EDUCATION IN AGRICULTURE.

Netherlands East Indian Commission for the P.-P. I. E., Buitenzorg, Java. Colored photographs showing the agricultural education of natives in Java.

GROUP 12

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, FURNITURE AND SCHOOL APPLIANCES.

Netherlands East Indian Commission for the P.-P. I. E., Buitenzorg, Java. Descriptive pamphlet on Education in Netherlands East India (Vol. VI).

NEW ZEALAND

New Zealand Pavilion, near Presidio Entrance, opposite French Pavilion

GROUP 12

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, FURNITURE AND SCHOOL APPLIANCES.

Publications showing history and development of New Zealand.

McCarthy, Eugene, Wellington. Historical literature on New Zealand.

SIAM

Siamese Pavilion, Avenue of Nations, near Canadian Pavilion.

GROUP 5

ELEMENTARY EDUCATION.

Siam. Siamese Pavilion. Department of Education. Primary school instruction, vocational training and teaching of English. Mackenzie Memorial School. Vocational training.

GROUP 6.

SECONDARY EDUCATION.

Department of Education. Course of study in secondary schools. Specimens of students' work in manual training.

GROUP 7.

HIGHER EDUCATION.

Department of Education. Course of study at Royal Medical College. View of museum.

GROUP 8.

SPECIAL EDUCATION IN FINE ARTS.

Prospectus and specimens of students' work in School of Arts and Crafts.

GROUP 12.

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, FURNITURE AND SCHOOL APPLIANCES.

Prospectus of Teacher

SWEDEN

Swedish Pavilion, Avenue of Nations, opposite Canadian Pavilion

PAINTINGS AND DRAWINGS

GROUP No. 1

Kallstenius, G., Stockholm, Sweden. Oil Paintings.

Masolle, H., Dalarna, Sweden. Oil painting of H. M. Gustav V, King of Sweden.

Schultsberg, A. L., Falun, Sweden. Oil Paintings.

GROUP No. 2

ETCHINGS

Sorn, Anders, Mora, Dalarna, Sweden. Etchings.

Boberg, F., Stockholm, Sweden. Etchings.

GROUP No. 3

SCULPTURE

Larson, G., Stockholm, Sweden. Bronze Chandellier.

Bergmans Art Foundry Co., Ltd., H., Stockholm, Sweden. Bronze Statues.

Anderson & Lundgren, Malmo, Sweden. Hammered Copper Vases.

Swedish Industrial Art Association, The, Stockholm, Sweden. Silverware and Pottery.

Nordin, Alice, Stockholm, Sweden. Marble Statue entitled "Hymn to Nature."

GROUP 5.

ELEMENTARY EDUCATION.

Sweden. Swedish Pavilion. Photographs showing vocational education in Stockholm schools. Motion pictures.

GROUP 7.

HIGHER EDUCATION.

Sweden. Swedish Pavilion. Model Stockholm Gymnasium High School.

GROUP No. 13

PHYSICAL TRAINING OF THE CHILD AND ADULT.

Central Association of Sweden for the Promotion of Sports, The, Stockholm, Sweden. Model of an ideal athletic hall in Sweden and model of stadium and surroundings at Stockholm, Sweden.

Haldin, O., Stockholm, Sweden. Photographs of athletic sports.

URUGUAY

Av. B, bet. 5th & 6th Sts.

GROUP 5.

ELEMENTARY EDUCATION.

Collective exhibit.

General Direction of Primary Instruction, Montevideo. Furniture and supplies for schools and pictures.

Medical Corps of Schools, Montevideo. Reports.

GROUP 6.

SECONDARY EDUCATION.

Collective exhibit.

Escuela del Hogar, Montevideo. Work of the pupils and general report of the school.

GROUP 7

HIGHER EDUCATION

University of Montevideo, Montevideo. Photographs, books and programs.

Veterinary School, Montevideo. Photographs.

GROUP 8.

SPECIAL EDUCATION IN FINE ARTS.

Collective exhibit.

GROUP 9.

SPECIAL EDUCATION IN AGRICULTURE.

Association "Fraternidad" Socorros Mutuos.

Liga Uruguaya contra la Tuberculosis.

Institut of Agronomy, Montevideo. Models of fruit tree forms, color preparations and cocoons.

GROUP 10

SPECIAL EDUCATION IN COMMERCE AND INDUSTRY

Escuela Nacional de Artes y Oficios, Montevideo. Demonstrative maps, models of work, furniture, photos, plans and lectures.

GROUP 11.

EDUCATION OF THE SUB-NORMAL.

Collective exhibit.

GROUP 12.

SPECIAL FORMS OF EDUCATION, TEXT BOOKS, FURNITURE AND SCHOOL APPLIANCES.

Collective exhibit.

Infant Association "Vanguardias de la Patria," Montevideo. By-laws, rulings and booklets.

Carlos Gonzales Carvallo, Montevideo. Booklets.

Alfredo Ramos Montero, Montevideo. Books.

Juan Rodriguez Lopez, Montevideo. Collection of the review "Mercurio."

Nicolas Piaggio, Montevideo. Books.

Luis Cincinato Bello, Montevideo. Books.

Carlos Comas y Miguel, Montevideo. Book and drawings.

Liga Popular Para la Educacion Racional de la Infancia. Books, booklets and reviews.

Direccion Gral. de Instruccion Primaria, Montevideo. Books, school furniture, supplies and photos.

Institute of Agronomy, Montevideo. Reviews, publications, books and programs.

GROUP 13

PHYSICAL TRAINING OF THE CHILD AND ADULT.

Alejandro Lamas, Montevideo. 1 book.

Official Catalogue of Exhibitors

Panama-Pacific International Exposition

San Francisco, California, 1915

CHARLES C. MOORE

President

Director-in-Chief

FREDERICK J. V. SKIFF

Division of Exhibits

ASHER CARTER BAKER, Director

Department C

SOCIAL ECONOMY

ALVIN E. POPE, Chief

Published for the Division of Exhibits by

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SOCIAL ECONOMY
Official Catalogue Department C

CLASSIFICATION OF EXHIBITS

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HOW TO LOCATE AN EXHIBIT

The Palace of Social Economy is laid out in blocks, which are consecutively numbered from 1 to 34, inclusive, as shown on the floor plan. The aisles are designated as streets (First to Sixth), running north to south, and as avenues (A to E), from east to west. To locate an exhibitor refer to the name, alphabetically arranged under the exhibit group to which each belongs in the official classification, and note the aisles location following each name. Street and Avenue signs are erected at their intersection on the corners of all blocks.

All Exhibits entered in this Catalogue are located in the Palace of Social Economy, **unless otherwise indicated** after the entry. The following are abbreviations used in this Catalogue to designate other Exhibit Palaces:

Fine Arts Palace.....	Fn. A. Pal.
Education Palace.....	Ed. Pal.
Liberal Arts Palace.....	Lb. A. Pal.
Manufactures Palace.....	Mfr. Pal.
Varied Industries Palace.....	V. I. Pal.
Machinery Palace.....	Mch. Pal.
Transportation Palace.....	Trns. Pal.
Agriculture Palace	Agr. Pal.
Food Products Palace	Fd. Pr. Pal.
Live Stock Palace	Lv. St. Pal.
Horticulture Palace.....	Hor. Pal.
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DEPARTMENT OF SOCIAL ECONOMY

Official Classification of
Exhibits

GROUP 14

AGENCIES FOR THE STUDY, INVESTIGATION AND BETTERMENT OF SOCIAL AND ECONOMIC CONDITIONS

- Class 43. Public bureaus, offices, commissions, etc.
- Class 44. Societies: humane, institutional, church and other. Private agencies, commercial organizations, museums, etc.
- Class 45. Economic and social reform associations, special educational agencies, literature, congresses.
- Class 46. Surveys and special community investigations.

GROUP 15

ECONOMIC RESOURCES AND ORGANIZATIONS

- Class 47. Physical resources and characteristics, location and organization of industrial enterprises, general industrial statistics. Governmental promotion of industry.
- Class 48. Conservation of national resources.

GROUP 16

DEMOGRAPHY, EUGENICS

- Class 49. Composition, characteristics and movement of population; statistical methods, machines and appliances employed.
- Class 50. Immigration.
- Class 51. Eugenics.

GROUP 17

HYGIENE

- Class 52. Vital statistics.
- Class 53. Growth and nutrition, food.
- Class 54. Hygiene of infancy and childhood.
- Class 55. Communicable diseases.
- Class 56. State and municipal hygiene, public-health work and health laboratories.
- Class 57. Care of the sick, nursing. Care of defectives. Life saving.
- Class 58. Industrial hygiene, occupational diseases.
- Class 59. Special hygiene: traffic and transportation, military, naval, tropic, mental, sex, dental.
- Class 60. Educational publicity.

GROUP 18

ALCOHOL, DRUGS AND TOBACCO

- Class 61. Physiological and other effects of alcohol, drugs and tobacco. Statistics of consumption and economic cost. Organized efforts for lessening intemperance and use of drugs and tobacco.
- Class 62. Legal regulation of trade in liquor, drugs and tobacco. Private and public management of liquor trade.

GROUP 19

LABOR

- Class 63. Regulation and inspection of factories, mines and other work. Woman and child labor.
- Class 64. Organization of employees. Organization of employers.
- Class 65. Systems of industrial remuneration. Wages and cost of living.
- Class 66. Industrial disputes and their settlement. Statistics of unemployment, treatment of unemployed.
- Class 67. Statistics of industrial accidents and means for prevention. Employers' liability. Workmen's compensation.
- Class 68. Welfare work.

GROUP 20

CO-OPERATIVE INSTITUTIONS

- Class 69. Co-operative societies for production and distribution.
- Class 70. Co-operative credit and banking institutions, rural credit systems.
- Class 71. Co-operative building societies.
- Class 72. Co-operative agricultural societies.

GROUP 21

BANKS AND PROVIDENT INSTITUTIONS

- Class 73. National, state and private banks; loan and trust companies.
- Class 74. Savings banks, postal savings banks, provident savings and loan institutions.
- Class 75. Insurance: life, fraternal, accident, fire, marine, fidelity, and other forms.
- Class 76. Social insurance. Retirement provisions for public employees.

GROUP 22

CHARITIES AND CORRECTION

- Class 77. Care of dependent and neglected children.
- Class 78. Institutional care of destitute adults. Institutional care of defectives.
- Class 79. Relief of needy families in their homes.
- Class 80. Preventive social work. Supervisory and educational movements.

- Class 81. Statistics of crime. Identification of criminals.
- Class 82. Prisons, jails, work-houses, lock-ups. Prison labor, peonage.
- Class 83. Reformatories; education of delinquents.
- Class 84. The juvenile offender. Defective delinquents.
- Class 85. Indeterminate sentence, probation and parole. Aid and relief.

GROUP 23**PREPARATION, ENACTMENT AND ENFORCEMENT OF LEGISLATION**

- Class 86. Legislative reference bureaus, commissions, etc. Operation of initiative, referendum and recall. Results of efforts for uniform state and municipal legislation. Police systems and police administration. Courts. Reform in court procedure.

GROUP 24**NOMINATION AND ELECTION SYSTEMS**

- Class 87. Qualifications of voters. Party organization. Nomination and election systems. Australian ballot, short ballot, voting machines. Restrictions and publicity of election expenditures. Corrupt practice legislation.

GROUP 25**PUBLIC UTILITIES AND THEIR REGULATION**

- Class 88. State, municipally and privately owned utilities. Public service commissions.

GROUP 26**MUNICIPAL ADVANCEMENT**

- Class 89. Municipal statistics.
- Class 90. Local government and the State. Charters. Systems of government.
- Class 91. Municipal activities; methods, instrumentalities and results.
- Class 92. Public and private agencies for promoting economy and efficiency.

GROUP 27

- Class 93. Town and city planning. Housing.

GROUP 28**RECREATION**

- Class 94. Parks, playgrounds and recreation centers. Baths, swimming pools and bathing beaches. Utilization of school house as social center. Public entertainments. Commercial recreation.

DEPARTMENT C—SOCIAL ECONOMY

UNITED STATES

SEE OFFICIAL CLASSIFICATION OF EXHIBITS

GROUP 14.

AGENCIES FOR THE STUDY, INVESTIGATION AND BETTERMENT OF SOCIAL AND ECONOMIC CONDITIONS.

- American Federation of Labor, Washington, D. C.** 6th St. bet. Aves. C & D. Social Welfare.
- Associated Bible Students, San Francisco, Cal.** Av. D & 1st St.
- Brigham, Miss Louise.** 6th St. & Av. E. Economic Household Equipment.
- Buddhist Churches in America, Oceana, Cal.** N. S. West Ent. No. 10 & 1st St.
- Christian Science Publishing Society, The, Boston, U. S. A.** Publications. Ed. Pal., cor. 2nd St. and Av. D. Exhibiting the works of Mary Baker Eddy. Publishers of "The Christian Science Journal," "The Christian Science Sentinel," "Der Herold der Christian Science," "The Christian Science Monitor," and other publications pertaining to Christian Science.
- City of New York, N. Y.** City Bldg., Dept. of Charity. Bellevue Hospital and allied hospital exhibits under Social Service Bureau.
- Congressional Union for Woman's Suffrage, Washington, D. C.** 6th St. near Av. C.
- Department of Public Schools, Springfield, Mass.** Av. B & 6th St. A living room completely furnished by pupils of Springfield High Schools.
- Domestic & Foreign Missionary Society of the Episcopal Church, New York, N. Y.** Av. D, bet. 1st & 2nd Sts. Missionary work.
- Federal Council of Churches, San Francisco, Cal.** Coll. Exh. on religious education, Av. A, D & E.
- Advent Christian Church.**
- American Baptist Home Mission Society.**
- American Baptist Publication Society.**
- American Bible Society.**
- American Tract Society.**
- American Missionary Association.**
- Bible Institute of Los Angeles.**
- Board of Foreign Missions of the Methodist Episcopal Church.**
- Board of Home Missions and Church Extension of the Methodist Episcopal Church.**
- Board of Home Missions of the Presbyterian Church in the U. S. A.**
- Board of Missions M. E. Church South.**
- Canton Christian College.**
- Christian Woman's Board of Missions.**
- Congregational Home Missionary Society.**
- Federal Council of the Churches of Christ in America.**
- Home Missionary Society of the United Brethren in Christ.**
- International Lord's Day Societies.**
- Luthera, Board of Foreign Missions of the Grand Synod of the Evangelical Lutheran Church in the U. S. A.**
- Methodist Episcopal Church South Pub-**
- Missionary Society of the Evangelical Association.**
- Mission Board of the Christian Church—Home and Foreign.**
- Moody Bible Institute.**
- New Church (Swedenborgian).**
- Presbyterian (Church Periodical).**
- Religious Education Society.**
- Salvation Army.**
- The Continent (Church Periodical).**
- Volunteers of America.**
- Woman's American Baptist Home Missionary Society.**
- Woman's Board of Home Mission of the Presbyterian Church in the U. S. A.**
- Woman's Missionary Union Southern Baptist Union.**
- Woman's Foreign Missionary Society of the Methodist Episcopal Church.**
- Woman's Board of Domestic Missions—Reformed Church in America.**
- Woman's Home Missionary Society—Methodist Episcopal Church.**
- Girls' Friendly Society of California, San Francisco, Cal.** 1st St. bet. Aves. D & E. Work and progress. Social service.
- Illinois, State of.** 3rd St. & Aves. A & B. Models and Maps.
- International Order of King's Daughters & Sons.** 1st St. bet. Aves. D & E.
- Joint Board of Sanitary Control, New York, N. Y.** Welfare work. Av. D, bet. 5th & 6th Sts.
- Lawrence Public Schools.** Composite exhibit by Lawrence Chamber of Commerce. V. I. Pal.
- Liberty Bell Bird Club, Philadelphia, Pa.** An association for the protection of all song and insectivorous birds. Membership and button free.
- Massachusetts, State of.** Av. C, bet. 5th and 6th Sts. United Shoe Machinery Company. Loan Exhibit, Beverly.
- National Council of Jewish Women, Kansas City, Mo.** 6th St. nr. Av. D. Welfare work.
- National Organization of Catholics of the U. S. of America.** 1st St. nr. Av. D. Plans and model of a church to be erected as a national shrine in honor of Mary Immaculate.
- Newthot Temple, The.** 1st St. & Av. D. Newthot Science Text Books.
- Order of the Star of the East, Krotana, Hollywood, Los Angeles, Cal.** Religious Education. South side of Main West Ent. No. 11.
- Rosicrucian Fellowship, Oceanside, California.** Av. D and 1st St. Western Mystery Teaching concerning Man, the Universe and Christianity.
- Theosophical Society, Los Angeles, Cal.** No. side W. Ent. No. 10 & 1st St. Theosophy.
- Travelers' Aid Society.** Opp. Depot Office. Cal. Coll. Exh. on religious education. 1st & 2nd Sts., Aves. D & E.

Unitarian Headquarters. Education Bldg. 1st educational. 1st St., nr. So. Side W. E. 1st St.

U. S. Steel Corp. & Subsid. Cos., New York. Colloids sec. & Economic Exh. Mines Pal. Wisconsin. State of. Av. B & 5th St. Brown County Woman's Building.

GROUP 15

ECONOMIC RESOURCES AND ORGANIZATIONS

Massachusetts Bureau of Statistics, Boston, Mass. Av. C bet. 5th and 6th Sts.

New York State Department. Motion Pictures Illustrating Social and Economic Aspects of the State of New York. Av. D & 4th St.

GROUP 16

DEMOGRAPHY, EUGENICS.

Carnegie Institution of Washington, Washington, D. C. Av. C bet. 4th & 5th Sts. Exhibits consisting of charts, transparencies, models, photographs, drawings and diagrams representing work of the departments of research.

Carnegie Manual D. New York, N. Y. 1st St. bet. 4th & 5th Sts.

Race Betterment National Exhibit, 3rd St. & 4th St. In affiliation with The Life Extension. The Eugenics Record Office: The American Institute of Child Life: The National Bureau of Physical Education: The Camp Fire Girls and the Boy Scouts, Showing Experiences and Causes of Race Betterment, and the Possibilities, Methods and Agencies of Race Betterment.

U. S. Department of Labor—Bureau of Immigration, Washington, D. C. Av. E bet. 5th & 6th Sts. W. 1st St. bet. 4th & 5th Sts.

Bureau of Naturalization

GROUP 17

HYGIENE.

Alameda County Baby Hospital, East Ave. N. Y.

Arequipa Sanatorium & Pottery, Fairfax Marin Co., Cal. 4th St. bet. 5th & 6th Sts.

American Medical Association, Chicago, Ill. 1st St. bet. 4th & 5th Sts. Education & 1st St. bet. 4th & 5th Sts.

American Social Hygiene Association, New York, N. Y. 4th St. & Av. D. Social Hygiene.

Barrett Mfg. Co., Frankford, Phil. 1st St. bet. 4th & 5th Sts.

City of Baltimore, Md. 1st St. bet. 4th & 5th Sts. 1st St. bet. 4th & 5th Sts. 1st St. bet. 4th & 5th Sts.

Boston, Massachusetts. 1st St. bet. 4th & 5th Sts. 1st St. bet. 4th & 5th Sts.

Bureau of Health for the Philippine Islands, Manila. 1st St. bet. 4th & 5th Sts. 1st St. bet. 4th & 5th Sts.

California Society for the Study and Prevention of Tuberculosis. 1st St. bet. 4th & 5th Sts. 1st St. bet. 4th & 5th Sts.

California State Board of Health, Sacramento, Cal. 1st St. bet. 4th & 5th Sts. 1st St. bet. 4th & 5th Sts.

City of New York, N. Y. 1st St. bet. 4th & 5th Sts. 1st St. bet. 4th & 5th Sts.

Cuban Government, Havana, Cuba. 1st St. bet. 4th & 5th Sts. 1st St. bet. 4th & 5th Sts.

Department of the Treasury, Bureau of Public Health Service. Lib. Arts. The Panama Canal. Lib. Arts.

Gary Public Schools, Gary, Ind. Av. B & 4th St. Wider use of the schools.

Elizabeth McCormick Memorial Fund, Chicago, Ill. Av. C bet. 4th & 5th. Open Air School.

Massachusetts. Quarantine. Av. C, bet. 5th & 6th Sts.

Mouth Hygiene Association of America, San Francisco, Cal. Physicians Bldg. Av. E & 4th St. Mouth hygiene.

National Committee for Mental Hygiene, New York, N. Y. Lib. Arts Pal., Av. C & 1st St. Charts and photographs showing causes and distribution of insanity, methods of care and cost of maintaining insane in the United States.

New York State Dept. of Health, Albany, N. Y. Health education. Av. D, bet. 3rd & 4th Sts.

New York State. Av. D, bet. 3rd and 4th Sts. Health of the Port of New York. Quarantine Station, Rosebank, N. Y. Model Contagious Disease Hospital and Quarantine Detention Hospital, Swinburne and Hoffman Islands, N. Y.

New York State Hospital Commission, Albany, N. Y. Av. D & 3rd St. Care and treatment of the insane. Hydrotherapeutic apparatus for treatment of insane. State Hospital for the Insane. Prevention of insanity. Psychiatry, and statistics of the insane.

Massachusetts. Av. C, bet. 5th and 6th Sts. State Dept. of Health, Boston. Peter Bent Brigham Hospital, Boston. State Board of Insanity, Boston. State Board of Quarantine.

Metropolitan Life Ins. Co., New York, N. Y. Mines Pal. Welfare work.

Pennsylvania, Department of Health, School Hygiene. Av. D bet. 4th & 5th Sts.

Prudential Insurance Co., The, of America, Newark, N. J. Mines Pal., N. S. Main W. 1st & 1st St. Charts and diagrams illustrating the mortality of the Western Hemisphere and American Public Health Problems.

Rockefeller Foundation, International Health Com., New York City. Hookworm, 4th St., bet. 4th & 5th Sts. Hookworm diseases, life-size models of persons afflicted, male and female hookworms, embryos, eggs, greatly enlarged embryos passing through skin, hookworms attached to intestine; transparencies, photographs.

U. S. Government. Av. E, 4th & 5th Sts. Department of Health, Children's Bureau. National State Board of Health. Model showing infant mortality.

U. S. Government. Children's Health Conference.

Workmen's Compensation Service Bureau, New York City. Mines Pal. Mines, 2nd St. bet. 4th & 5th Sts.

GROUP 18

ALCOHOL, DRUGS AND TOBACCO

Anti-Saloon League of America, Westerville, Ohio. 1st St. bet. 4th & 5th Sts. & Av. E. 1st St. bet. 4th & 5th Sts. Methods of work. National Society for Temperance Federation.

New York State Hospital Commission, Albany, N. Y. Av. D & 1st St. Alcohol as a cause of insanity.

Prohibition National Committee, Chicago, Ill.
Anti-liquor display. Ed. Pal., 1st St., bet.
Ave. D & E. 5,000,000 Enrollment Head-
quarters. Liquor traffic in politics pictured.

**World's Woman's Christian Temperance
Union, London, England.** Av. D & 3rd St.
**National Woman's Christian Temperance
Union, Evanston, Ill.** Physiological effects
of alcohol and other habit-forming drugs.

GROUP 10

LABOR.

American Federation of Labor, Washington.
D. C. Organizations. 6th St., bet. Ave. C
& D.

Aetna Life Ins. Co., Hartford, Conn. Mines
Pal., Av. D & 2nd St. Safety appliances.

Ford Motor Company, Detroit, Mich. Welfare
work. S. E. Sec. Mines Bldg., 3rd St., bet.
Ave. D & C.

General Electric Co., Schenectady, N. Y.
Mfr. Pal., 7th St., Av. B & 8th St. "Home
Electrical." Collective Educational Exhibit.

Heins's 57 Varieties. Mines Pal.

Industrial Accident Commission of California.
San Francisco, Cal. Accident prevention
work. 2nd St. & Av. D, Min. Pal.

International Harvester Company of America.
Chicago, U. S. A. Agr. Pal., 4th St., bet.
Ave. B & C. Regulation and inspection of
factories, statistics of industrial accidents
and means for prevention, employer's lia-
bility, welfare work.

Maryland Casualty Co., Baltimore, Md. Mines
Pal. Insurance bonding.

Massachusetts. Av. C, bet. 5th & 6th Sts.
Bureau of Statistics, Boston.
State Board of Conciliation and Arbitration,
Boston.
United Shoe Machinery Co., Beverly.

Metropolitan Life Ins. Co., New York, N. Y.
Mines Pal., 1st St. & Ave. C & D.

National Cash Register Co., Dayton, O. I. A.
Pal., Av. C & 5th St. Illustrated talk on
Hygiene.

National Child Labor Committee, New York.
N. Y. 6th St. and Av. D. Child labor and
its results.

National Consumers' League, New York. La-
bor. Av. D, bet. 5th & 6th Sts.

New York State Dept. of Labor, Albany.
N. Y. Av. D, bet. 3rd & 4th Sts.

Prudential Insurance Co., The, of America.
Newark, N. J. Min. Pal., S. S. Main W.
Ent. & 1st St. Charts and diagrams of the
Prudential occupation mortality experience.
Dangerous and unhealthy trades.

**U. S. Department of Labor—Children's Bu-
reau, Washington, D. C.** Av. E & East Side
of South Entrance No. 6. Child Welfare
Exhibit.

U. S. Dept. of the Interior, Bureau of Mines.
Mines Pal.

**U. S. Department of Labor, Bureau of Labor
Statistics, Washington, D. C.** Av. E, bet.
5th & 6th. Work of the Bureau.

**United States Steel Corp. & Subsid. Cos.,
New York.** Col. accident prevention. Mines
Pal.

Workmen's Compensation Service Bureau.
Rock Island, Ill. Mines Pal. Accident
prevention.

GROUP 21

BANKS AND PROVIDENT INSTITUTIONS

Aetna Life Insurance Co., Hartford, Conn.
Mines Bldg., Av. D & 2nd St. Safety ap-
pliances.

Bankers Trust Company, New York, N. Y.
Intersection of Av. C and 3rd St. Ameri-
can Bankers Association Travelers' Cheques.
City of New York. N. Y. City Bldg. Bank-
ing statistics.

**Collective Insurance and Universal Safety
Exhibit.** S. E. Sec., Mines Bldg., Av. C
and 2nd St.

**Hartford Fire Insurance Company, Hartford,
Conn.** Mines Bldg., Av. C1 & 1st St. Fire
prevention and protection.

Independent Order of Foresters. Mines Pal.,
2nd St. bet. Ave. B & C.

Insurance Field, Louisville, Ky. Collective
Insurance and Universal Safety Exhibit.
Palace of Mines, 2nd St. & Av. C.

International Harvester Company of America,
Chicago, U. S. A. Agr. Pal., 4th St., bet.
Ave. B & C. Social insurance, retirement
provisions for public employees.

Internat'l Order of King's Daughters & Sons,
Oakland, Cal. 1st St., bet. Ave. D & E.
Pictures and literature of the order.

Maryland Casualty Company, Baltimore, Md.
Insurance bonding. Av. B & 2nd St., Pal.
of Mines.

**Metropolitan Life Insurance Company, New
York, N. Y.** Exhibit of welfare work for
policy holders and employees. Pal of Min.,
1st St., Ave. C & D. This exhibit outlines
various measures for safeguarding the health
of over ten million policyholders and seven-
teen thousand employees. Charts and photo-
graphs in one division describe the visit-
ing nurse service, the Health and Happi-
ness League, the company's publications on
hygiene and various forms of co-operation
with health officers and other civic and
social agencies. The charts in the second
division outline the company's policy with
reference to luncheons for employees, the
Staff Savings Fund, the educational activi-
ties, working conditions, and other fea-
tures which operate most successfully in
the developing an efficient and satisfied
working staff.

Modern Woodmen of America, Rock Island.
Ill. Mines Bldg., 2nd St., bet. Ave. C & D.

National Union Insurance Co., San Francisco.
Cal. 2nd St. & Av. C, Min. Pal. Fraternal
insurance.

Prudential Insurance Co., The, of America.
Newark, N. J. Min. Pal., S. S. Main W.
Ent. & 1st St. The principle which under-
lies the exhibit is the conception of the rela-
tion of Life Insurance to Public Welfare.
The object is to visualize the facts of in-
surance experience and their relation to So-
cial and Economic Progress. The exhibit is
divided into ten sections, as follows: Ad-
ministration methods and results; Insurance
mortality experience; The Mortality of the
Western Hemisphere; American Public
Health Problems; Insurance History; Insur-
ance practice throughout the world; Insur-
ance Architecture; Models of the Home
Office of the Prudential; Original Inter-
national Awards received at previous Ex-
positions. Model of the Rock of Gibraltar
and charts of Historical documents and
data relating thereto.

Rossia Insurance Company, Hartford, Conn.
Mines Pal., 1st St. bet. Ave. C & D. Fi-
nancial growth and standing of Rossia "

WYOMING SERVICES AND ORGANIZATIONS

GROUP 17

HYGIENE

State Department of Health, Boston. Photographs and charts. Hygiene of occupations, school hygiene, water supply and sewage, control of diseases.

Peter Bent Brigham Hospital, Boston. Model.

State Board of Insanity, Boston. Mental Hygiene and out-patient work. Maps, charts and photographs.

GROUP 19

LABOR

Bureau of Statistics, Boston. Charts, reports, statistics of labor, manufacture and population.

State Board of Conciliation and Arbitration, Boston. Method of operation and reports.

GROUP 22

CHARITIES AND CORRECTIONS

Industrial School for Boys, Shirley.

Industrial School for Girls, Lancaster.

State-aided Vocational Schools and Textile Schools.

Industrial School for Girls at Lancaster.

Industrial School for Boys at Shirley.

Massachusetts Hospital School for Crippled and Deformed Children.

Norfolk State Hospital for Treatment of Inebriates and Drug Habitues.

Penikese Island Leper Colony.

State Board of Charity, Boston. State regulation of Private Charities. Administration of State Institutions. Custody of State Minor Wards. Aid to Mothers with dependent Children.

GROUP 28

RECREATION

Metropolitan Park Commission. Maps and photographs.

NEW YORK

Av. D and 3rd St.

GROUP 14

AGENCIES FOR THE STUDY, INVESTIGATION AND BETTERMENT OF SOCIAL AND ECONOMIC CONDITIONS

Crippled Children's Guild, Buffalo.

Public Education Association of the City of New York.

Children's Aid Society.

GROUP 15

ECONOMIC RESOURCES AND ORGANIZATIONS

State Department, Motion Pictures. Illustrating Social and Economic Activities of the State of New York.

GROUP 17

HYGIENE

Health of the Port of New York, Quarantine Station, Rosebank, N. Y. Model contagious disease hospitals, and quarantine detention hospitals, Swinburne and Hoffman Islands.

State Association for Improving the Condition of the Poor. Showing work for betterment of the unemployed, prevention of tu-

berculosis, nutrition, public health and hygiene.

State Hospital Commission, Albany. Care and treatment of the insane. Hydrotherapeutic apparatus for treatment of insane. State Hospital for the insane. Prevention of insanity. Psychiatry, and statistics of the insane.

State Department of Health, Albany. Model illustrating longevity and expectancy of life. Model of infant welfare station. Models showing organization of the Department of Health, water filtration plant, sewage disposal plant, distribution of filtered and unfiltered water supply, and complete and incomplete sewage disposal systems in New York State. Panels illustrating activities of the various divisions of the Department of Health, and dealing with prevention of communicable diseases, infant mortality, tuberculosis and typhoid fever.

State Probation and Protective Ass'n. Method of caring for and redeeming delinquents.

GROUP 18

ALCOHOL, DRUGS AND TOBACCO

State Hospital Commission, Albany

Alcohol As a Cause of Insanity

National Temperance Society and Publication House, New York City. Regulation and effect of traffic in alcohol, drugs and tobacco.

GROUP 19

LABOR

Church Associations for the Advancement of the Interest of Labor, New York City. Welfare work for employes in stores, factories and mines.

Intercollegiate Bureau of Occupation, New York City. National Co-operation Exchange for Social Welfare Workers.

State Department of Labor, Albany. Charts showing organization and work of the Department in regard to factory inspection, mercantile inspection, woman and child labor, sanitation, hygiene, mediation and arbitration, immigration and statistics. Photographs showing safeguards for machinery, and illustrating the work of the Division of Industrial Hygiene. An exhibit of dust, showing the value of and methods of dust removal in industries producing occupational disease. A series of models of factory buildings showing approved forms of construction with special reference to safety of exits and methods of fire prevention in factories.

Exhibit showing centralization of supervision in a state school system.

GROUP 22

CHARITIES AND CORRECTIONS

Catholic Home Bureau for Dependent Children, New York City.

GROUP 26

MUNICIPAL ADVANCEMENT

Bureau of Municipal Research. Systems of Government.

GROUP 27

TOWN AND CITY PLANNING.

Architectural League of New

NEW YORK CITY

New York City Building, Esplanade, Exposition Grounds.

GROUP 8

SPECIAL EDUCATION IN FINE ARTS

Photographs and detailed descriptive matter in chart form and publications. Metropolitan Museum; Brooklyn Institute of Arts and Sciences.

GROUP 9

SPECIAL EDUCATION IN AGRICULTURE

School farm exhibit.

GROUP 10-A

INDUSTRIAL EDUCATION

Photographs, statistical data.

GROUP 11

EDUCATION OF THE SUBNORMAL

Photographs, statistical data.

GROUP 14

AGENCIES FOR THE STUDY, INVESTIGATION AND BETTERMENT OF SOCIAL AND ECONOMIC CONDITIONS

Department of Charity. Bellevue Hospital and allied hospital exhibits under Social Service Bureau.

City of New York. N. Y. City Bldg. Department of Charity. Bellevue Hospital and allied hospital exhibits under Social Service Bureau.

GROUP 17

HYGIENE

City of New York. N. Y. City Bldg. Department of Health. Board of Health. Educational publicity. Tenement houses.

GROUP 21

BANKS AND PROVIDENT INSTITUTIONS

City of New York. N. Y. City Bldg. Statistical data relative to banking activities, illustrated with photographs of financial institutions.

GROUP 22

CHARITIES AND CORRECTIONS

Catholic Home Bureau for Dependent Children, New York City. Care of dependent and neglected children.

City of New York. N. Y. City Bldg. Department of Charity.

GROUP 25

PUBLIC UTILITIES AND THEIR REGULATION

City of New York. N. Y. City Bldg. Public Service Commission. Photographs, maps, models, statistical data.

GROUP 26

MUNICIPAL ADVANCEMENT

Bureau of Municipal Research. System of Government, Charters, Municipal Activities, Budget Making, Training for Public Service.

City of New York. N. Y. City Bldg. Collective exhibit showing municipal de-

partmental exhibits, statistics, and specially prepared municipal library references, and other pertinent facts relating to city government. Police Department; Fire Department; Educational Department; Water Supply; Street Cleaning Department; Tenement House Department; Health Department; Parks and Recreation Department; Department of Charities and Correction; Bridge Department; Dock Department; Public Service Commission; Metropolitan Museum of Natural History; Botanical Gardens; Aquarium; Libraries, Museums; Museum of Arts and Sciences.

GROUP 27

ENGINEERING

Architectural League of New York. Group drawings of buildings for the make-up of an ideal American city.

City of New York. N. Y. City Bldg. Tenement housing

GROUP 28

RECREATION

City of New York. N. Y. City Bldg. Park Department. Dock Department, showing recreation piers. Motion pictures.

CITY OF NEW YORK BUILDING, ESPLANADE, EXPOSITION GROUNDS

Gallery No. 1—Education

21 large charts with illustrated descriptive matter relative to school activities.

200 photographs illustrative of educational work.

121 photographs illustrative of elementary schools, high schools, College of the City of New York and trunk schools.

8 panels illustrative of work of pupils in the industrial art classes.

Gallery No. 2—Statistical

Charts, diagrams and maps relative to the municipal government. Department of Finance, Tax Department, etc.; also a Municipal Reference Library, containing pertinent publications relative to the city, including departmental reports, etc.

Gallery No. 3—Fire Department

2 large charts descriptive of the work of the Fire Department, including the Fire Prevention Bureau.

14 large photographs illustrative of Fire Prevention Work.

84 illustrations of fire fighting scenes, fire houses, fire boats, different types of apparatus and the high pressure system.

A large chart illustrative of the annual fire waste in the United States.

A large chart illustrating the efficiency of the fire high pressure system.

A fire boat model.

A modern extension ladder truck model.

A theatre model, illustrating the Fire Department's control over such structures.

Gallery No. 4—Department of Water Supply

This gallery devoted to present and additional water supply.

Includes 43 illustrated descriptive charts, 5 large water color drawings, 75 photographic displays covering different features of the present water supply system and the additional water supply system now nearing completion.

Gallery No. 5—Street Cleaning and Tenement House Department

Contains 17 large descriptive charts, statistical data, etc., and 91 pertinent photographic exhibits.

Gallery No. 6—Board of Health and Bellevue and Allied Hospitals

Contains 28 illustrative charts with pertinent descriptive matter relative to the activities of the Health Department and the Bellevue and Allied Hospitals; also 150 pertinent photographs.

Gallery No. 7—Parks and Recreation

Contains 11 illustrated descriptive charts and 148 pertinent photographs.

Gallery No. 8—Departments of Correction and Public Charities

Contains 22 large illustrated descriptive charts with pertinent descriptive matter and 126 photographs.

Gallery No. 9—Bridge Department and Department of Docks and Ferries

22 large charts of pertinent descriptive matter and illustrations.
85 photographs.

3 models showing bulkhead construction and pier construction.

Model of a municipal ferry boat, showing municipal terminal.

Model of the Williamsburg Bridge, 20 feet long, showing both shore lines of the East River.

Actual sections of the cables of the three large suspension bridges, Manhattan, Williamsburg and Brooklyn.

Gallery No. 10—Public Service Commission

37 large charts, containing descriptive matter and illustrations.

211 photographs illustrative of construction work, light and power plant equipment, gas and railroad equipment, laboratory work, elimination of grade crossings, etc.

Combined with this exhibit are three models of subway construction.

Gallery No. 11—Police Department

11 large illustrative charts containing pertinent descriptive matter.

71 photographic displays illustrative of Police activities, Police equipment, typical station houses, police headquarters, etc.

4 cabinets containing interesting exhibits from the Police Department museum.

A large model illustrating the police flashlight system in the 23d precinct.

Gallery No. 12—Public Libraries, New York Botanical Garden, American Museum of Natural History, New York Aquarium, New York Zoological Garden, Brooklyn Institute of Arts and Sciences and Brooklyn Botanic Gardens.

24 large charts containing pertinent information and illustrations.

181 photographs.

The interior side walls of the building at each end and along the front are devoted to models and large feature pictures of the City of New York. The rear wall of the building, which is 150 feet long, is devoted to exhibits portraying railroad activities, manufacturing, mercantile, financial, population, hotels, amusements and commerce. Each of these panels average 30 large photographs and one large chart with pertinent information. On the rear wall are also displayed four large charts illustrative of physical street improvements under the jurisdiction of the borough presidents.

The feature exhibits are three large paintings of New York City, one in 1715, one in 1815 and one in 1915, and a large model of the city, 28 feet long by 17 feet wide.

In connection with the exhibit, moving pictures are shown daily, fully descriptive of departmental activities, and interesting features of the city at large.

PENNSYLVANIA

Av. D and 5th St.

GROUP 17

HYGIENE

Department of Health. School Hygiene. Tuberculosis and typhoid fever.

WISCONSIN

Av. B and 5th St.

GROUP 14

AGENCIES FOR THE STUDY, INVESTIGATION AND BETTERMENT OF SOCIAL AND ECONOMIC CONDITIONS

Transparency, slides, map.
Brown County Woman's Building.

FOREIGN GOVERNMENTS

ARGENTINE

Location: 3rd St. & Av. C

GROUP 14

AGENCIES FOR THE STUDY, INVESTIGATION AND BETTERMENT OF SOCIAL AND ECONOMIC CONDITIONS

Museo Social Argentino, Buenos Aires.
Sociedad de Beneficencia, Buenos Aires.
Sociedad Protectora de Animales, "Sarmiento."

GROUP 16

DEMOGRAPHY, EUGENICS

Dirección General de Fumigación, Buenos Aires.

GROUP 17

HYGIENE

Colonia Nacional de Aliendas.
Casa del Niño, Buenos Aires.
Patronato de la Infancia, Buenos Aires.
Hospital Italiano, Buenos Aires.
Hospital de Niños, Buenos Aires.
Asilo Saturnino E. Unzué, Mar del Plata.
Asilo Hospital Marítimo, Mar del Plata.
Asilo de Alienadas, Lomas de Zamora.
Casa de Expositos, Buenos Aires.
Hospital Rivadavia, Buenos Aires.
Asilo de Huerfanos Menores, Buenos Aires.
Asilo de Huerfanos Mayores, Buenos Aires.

GROUP 21

BANKS AND PROVIDENT INSTITUTIONS

Caja de Conversión, Buenos Aires.
Banco de la Nación Argentina, Buenos Aires.
Banco de la Provincia de Buenos Aires.
Banco del Hogar Argentino, Buenos Aires.
Banco Popular Argentino, Buenos Aires.
Banco Español del Río de la Plata, Buenos Aires.

GROUP 22

CHARITIES AND CORRECTION

Policía de la Capital.
Policía de la Provincia de Buenos Aires.
Cuerpo de Bomberos de la Capital.
Prisión Nacional.
Penitenciaria Nacional.
Presidio de Sierra Chica.

GROUP 26

MUNICIPAL ADVANCEMENT

Municipalidad de la Capital.
Municipalidad de Tucumán.

GROUP 28

RECREATION

Parks and Playgrounds of the City of Buenos Aires.

FRANCE

French Pavilion, Ave. of Nations, South of Fine Arts Palace

GROUP 17

HYGIENE

Dr. Calot (J. F.), Paris, and Berck-Plage (Pas-de-Calais). Photographs.
Ville de Lyon. Panoramic view of the Hospitals of the City of Lyon.
Schneider Cie. Le Creusot. Frames, raphies and maps showing the establishment of social benefit for the employees of the firm of Schneider Cie.
Ligue de la Mortalité Infantile.
Mutualité Maternelle de Paris.
L'Alaitement Maternel.
Etablissements Menier.
Comité des Forges de France.
Fondation Budin.
Orphelinat Mutualiste Français.
Association pour le Développement de l'Assistance aux Malades.
Fédération des Cantines Maternelles.
Lutte contre la mortalité infantile.
Ligue contre la mortalité infantile.
Alliance d'Hygiène sociale.
Confédération Générale du Travail.
M. Lemercier (Chemin de Fer Est).
Protection mutuelle des Châmins de Fer.
Union des Comités de patronage des apprentis.
Employes et Ouvriers des Chemins de Fer.
Caisse syndicale d'assurance mutuelle des Forges de France.
Caisse syndicale de Retraite des Forges.
Syndicat central des Agriculteurs de France.
Association fraternelle des Chemins de Fer.
Fonds roubaïsiens contre le chômage.
Fédération professionnelle macaniciens Chauffeurs.
Fédération française des Travailleurs du Livre.
Union des syndicats de la Bourangerie.

GROUP 20

CO-OPERATIVE INSTITUTIONS

France Prévoyante.
Compagnies d'assurances "L'UNION."
Syndical des Compagnies d'Assurances contre les accidents.
Conférence des Caisses d'épargne.
Société de Secours Mutuel de la Maison Lelaire.
Office centrale d'Assistance Maternelle.
Chambre des Associations de Productions.
Centre fédéraliste du Crédit populaire.
Les Médailles Militaires.
Union nationale des Présidents de Société de Secours Mutuel.
Fédération nationale des Voyageurs de Commerce.

GROUP 21

BANKS AND PROVIDENT INSTITUTIONS

Union de Syndical des Agriculteurs de France.
Colonisation Française.

Union Mutuelle pour l'Assurance au Deces.
Societe de Participation aux Benefices.
Group des Chambres syndicales de Batiment et des Industries diverses.
Union des Syndicats des Industries Textiles.
Federation Nationale de la Mutualite Francaise.
Caisse nationale de Retraite pour la Vieillesse.
Les Prevoyants de l'Avenir.
Societe de la Participation aux Benefices.
Association internationale pour la lutte contre le chomage.
Caisse nationale de reassurance mutuelle agricole.
Union nationale des Mutualites scolaires.
Musee social.
Fondation Rothschild.
Veterans des armees terre et mer.
Ministere de l'Interieur.
Syndicat central des Agriculteurs de France.
Federation nationale des Cooperateurs de Consommateurs.
Ligue nationale de la Prevoyance et Mutualite.
Conseil national des Femmes Francaises.
L'Action sociale de l'Inspectorat du travail de L'Industrie.
Oeuvre d'assistance pour le travail du le arrondissement.
Syndicat central des Agricultures de France.
Chemins de Fer de l'Etat.
Syndicat general de garantie du Batiment.
Magasin de gros des Cooperatives de France.
Motel des Invalides du travail.

GROUP 26

MUNICIPAL ADVANCEMENT

Office social de Lyon.
Office du travail de Lyon.

GUATEMALA

Guatemalan Pavilion, near Inside Inn, back of Japanese Gardens.

GROUP 14

AGENCIES FOR THE STUDY, INVESTIGATION AND BETTERMENT OF SOCIAL AND ECONOMIC CONDITIONS

Stamps collection, statistics, photographs and regulations.
General Post Office.
National Telegraph and Telephone.

GROUP 16

DEMOGRAPHY, EUGENICS

Direccion General de estadistica.

GROUP 17

HYGIENE

Statistics and regulations, photographs.
Desenfectorio Nacional.
Asilo Maternidad "Joaquina."
Sociedad Auxilios Mutuos del Comercio.
Sociedad Central de Artesanos.

Union internacional de trabajadores Grenio de O Creros.
Nacional Library.
Facultad de Masicina y Farmacia.
Municipal Library of Guatemala.

GROUP 19

LABOR

Ministerio de Fomento.

GROUP 21

BANKS AND PROVIDENT INSTITUTIONS

Statistics, publications and regulations.
Ohorro Mutuo.
Banco de Guatemala, Guatemala.
Banco Americano, Guatemala.
Banco Internacional, Guatemala.
Banco Columbiano, Guatemala.
Banco Agricola Hipotecario, Guatemala.
Banco de Occidente, Quetzaltenang.
Ohorro Mutuo, Guatemala.

GROUP 22

CHARITIES AND CORRECTION

Photographs. Hand work done by the orphans.
Hospicio Nacional (Orphanage).
Casa de Correccion de menores.

GROUP 23

MUNICIPAL ADVANCEMENT

Photographs, documents.
Municipality of Guatemala.

ITALY

Italian Pavilion, Ave. of Nations, near Fine Arts Palace

GROUP 7

HIGHER EDUCATION

Home Office, General Direction of School for Scientific Research, Rome.

GROUP 9

SPECIAL EDUCATION IN AGRICULTURE

International Institute of Agriculture, Rome.
Foreign Office, Department of Schools, Abroad, Rome.

GROUP 10

SPECIAL EDUCATION IN COMMERCE AND INDUSTRY

Ministry of Agriculture, Industry and Commerce, Dept. of Mines, Rome.

GROUP 10-A

INDUSTRIAL EDUCATION

School of Torre del Greco for Carving Coral.
Royal School of Engraving, Rome. Engravings.
School for Brocades and Velvets of Madam Gallenga, Rome.
School of Burano, Burano.

GROUP 17

HYGIENE

Ministry of the Interior, Sanitary Department, Rome. Charts and Tables.

GROUP 21

BANKS AND PROVIDENT INSTITUTIONS

Ministry of Finance, Rome.

GROUP 26

MUNICIPAL ADVANCEMENT

Direction of Statistics, Rome. Charts and Tables.

Department for Military Aerial Photography, Rome. Photographs.

JAPAN

Agriculture Palace, Ave. B and B-C, between 5th and 6th Sts.

GROUP 14

AGENCIES FOR THE STUDY, INVESTIGATION AND BETTERMENT OF SOCIAL AND ECONOMIC CONDITIONS

Pictures, photographs, diagrams, charts, maps, models.

Department of Education.

Industrial Bureau of Department of Agriculture and Commerce.

Department of Communication.

Department of Home Affairs.

Imperial Relief Society for Sick and Poor.

Japanese Women's Patriotic Association.

GROUP 15

ECONOMIC RESOURCES AND ORGANIZATIONS

Charts, statistics, diagrams, maps.

Industrial Bureau of Department of Agriculture and Commerce.

Industrial Bureau of the Government of Formosa.

Kobe Municipality.

Bureau of Public Works of Department of Home Affairs.

College of Agriculture of Tohoku, Imperial University. Models of Horse. Pictures.

Yokohama Municipality. Diagrams.

GROUP 17

HYGIENE

Statistics, provisions, hygienic materials, photographs, models, specimens, charts, maps, tables, diagrams, hospital materials.

Department of War.

Department of Home Affairs.

Imperial Institute for the Study of Infectious Diseases.

Imperial Japanese Society for Saving Life from Shipwrecked.

Imperial Relief Society for Sick and Poor.

Japan Red Cross Society.

Japan Seamen's Aid Society.

Tokyo Hygienic Laboratory of Department of Home Affairs.

Yoshimichi Suminokura, Tokyo. Report of Dairy. Photograph.

2nd and 3rd Sts., Av. D.

GROUP 18

ALCOHOL, DRUGS AND TOBACCO

Tadashi Nemoto, Tokoy. Statistics.

GROUP 22

CHARITIES AND CORRECTIONS

Department of Home Affairs. Photographs.

GROUP 25

PUBLIC UTILITIES AND THEIR REGULATION

Department of Home Affairs. Photographs, maps, models.

GROUP 26

MUNICIPAL ADVANCEMENT

Bureau of Public Works of Department of Home Affairs.

GROUP 28

RECREATION

Department of Home Affairs.

Hygienic Bureau of Home Affairs.

Hiyagi Prefecture Government.

Nagasaki Prefecture Government.

NEW ZEALAND

New Zealand Pavilion, near Presidio Entrance, Opposite French Pavilion.

GROUP 15

ECONOMIC RESOURCES AND ORGANIZATIONS

Department of Labor. Charts, photographs, models.

GROUP 17

HYGIENE

General statistic charts.

Fraser, Malcolm, Wellington, New Zealand. Statistics of Dominion of New Zealand.

GROUP 19

LABOR

Department of Labor. Charts, models, photographs.

GROUP 23

PREPARATION, ENACTMENT AND ENFORCEMENT OF LEGISLATION

Collection of statistics and legislative enactments of the Dominion of New Zealand.

Pope, F. S.

SWEDEN

Swedish Pavilion, Av. of Nations, Opposite Canadian Pavilion.

GROUP 13

PHYSICAL TRAINING OF THE CHILD AND ADULT

Photographs, models, drawings and motion pictures.

Model of Ideal Swedish Gymnasium.

GROUP No. 14

AGENCIES FOR THE STUDY, INVESTIGATION AND BETTERMENT OF SOCIAL AND ECONOMIC CONDITIONS

Swedish Girl Scouts. Photographs showing care of poor children.

Royal Commerce and Industry Department, The, Stockholm, Sweden. Graphical and statistical tables.

Royal Insurance Inspection Board, The, Stockholm, Sweden. Graphical and statistical tables.

State Insurance Department, The (Accident Insurance), Stockholm, Sweden. Statistics and Photographs.

Central League for Social Work, The, Stockholm, Sweden. Statistics and Photographs.

Royal Labor Department, The, Stockholm, Sweden. Statistics and Photographs.

Royal Old Age and Disablement Insurance Department, The, Stockholm, Sweden. Statistics and Photographs.

GROUP 17

HYGIENE

Photographs, charts, etc.

GROUP 19

LABOR

Welfare work, shown by photographs, charts, etc.

GROUP 20

CO-OPERATIVE INSTITUTIONS

Rural credit system.

Swedish "Own Homes" Bureau, The, Stockholm, Sweden. Plans, Photos, and Models of Dwellings and Farm Buildings.

GROUP 21

BANKS AND PROVIDENT INSTITUTIONS

Statistical record of deposits per capita. Advances. Insurance statistics.

Swedish Banks Association, The, Stockholm, Sweden. Statistics and Models pertaining to the financial prosperity of Sweden.

State Insurance Department, The (Accident Insurance), Stockholm, Sweden. Statistics and Photographs.

Royal Old Age and Disablement Insurance Department, The, Stockholm, Sweden. Statistics and Photographs.

GROUP No. 25

PUBLIC UTILITIES AND THEIR REGULATION

Royal Board of Waterfalls, The, Stockholm, Sweden. Models, Statistics and Photographs.

Swedish Waterpower Society, The, Stockholm, Sweden. Models, Statistics and Photographs.

Bureau for Hydraulic Constructions, Stockholm, Sweden. Statistics and Photographs.

GROUP 28

RECREATION

Photographs and motion pictures.

URUGUAY

Av. B, Between 5th and 6th Sts.

GROUP 14

AGENCIES FOR THE STUDY, INVESTIGATION AND BETTERMENT OF SOCIAL AND ECONOMIC CONDITIONS

Collective exhibit.

Centro Nativista "Higiene y Salud." Montevideo. Books and post cards.

Liga Uruguaya Contra la Tuberculosis. Montevideo. Stereopticon views, model of cuspidors, mural maps, and books.

Asociacion Fraternidad de Socorros Mutuos. Montevideo. Photographic panels, statistical maps and books.

GROUP 15

ECONOMIC RESOURCES AND ORGANIZATION

Direccion Gral. de Avaluaciones y Administracion de los Bienes del Estado. Montevideo. One bound book.

GROUP 16

DEMOGRAPHY, EUGENICS

Direccion de Censo, Estadistica y Biblioteca. Montevideo. One book, and statistical map.

Direccion General del Registro de Estado Civil, Montevideo. Year Books.

Direccion General de Estadistica, Montevideo. Year Books.

Alojamiento de Immigrantes. Montevideo. Maps, photos and plans.

GROUP 17

HYGIENE

Direccion de Salubridad, Montevideo. Graphic Pictures and Plans.

Consejo Nacional de Higiene, Montevideo. Maps, plans and photos.

Asistencia Publica Nacional, Montevideo. Maps, photos, booklets and catalogues.

Hospital Vilardobo, Montevideo. Work of inmates.

GROUP 18

ALCOHOL, DRUGS AND TOBACCO

Collective exhibit.

GROUP 19

LABOR

Collective exhibit.

GROUP 20

CO-OPERATIVE INSTITUTIONS

Collective exhibit.

GROUP 21

BANKS AND PROVIDENT INSTITUTIONS

Collective exhibit.

Banco de Seguros del Estado, Montevideo. Literature.

Caja de Jubilaciones y Pensiones Civiles, Montevideo. Books.

GROUP 22

CHARITIES AND CORRECTION

Collective exhibit.

GROUP 25

PUBLIC UTILITIES AND THEIR REGULATION

Collective exhibit.

General Direction of Custom House, Montevideo. Allegorical picture and book.

General Direction of Post Office and Telegraph, Montevideo. Graphic Maps.

Usina Electrica, Montevideo. Maps and pictures.

GROUP 26

MUNICIPAL ADVANCEMENT

Collective exhibit.

Direccion de Salubridad, Montevideo. Statistical maps, graphic pictures and plans.

Direccion de Conso, Estadística y Biblioteca, Montevideo. Books.

Intendencia Municipal de Canelones, Montevideo. Report.

Direccion de Abasto, Teblada y Mercados, Montevideo. Photographs.

GROUP 27

ENGINEERING

Direccion General de Aval uaciones y Administracion de los Biennes del Estado, Montevideo. Demonstrative maps and plans.

GROUP 28

RECREATION

Collective exhibit.

Official Catalogue of Exhibitors

Panama-Pacific International Exposition
San Francisco, California, 1915

CHAS. C. MOORE
President

Director-in-Chief
FREDERICK J. V. SKIFF

Division of Exhibits

ASHER CARTER BAKER, Director

Department D

LIBERAL ARTS

THEODORE HARDEE, Chief

Published for the Division of Exhibits by
The Wahlgreen Company, Official Publishers
San Francisco, 1915

PREFACE

By Asher Carter Baker, Director of Exhibits.

A modern, universal exposition is an encyclopedia of man's words and works. It is a collection of the achievements and productivity of man for examination by the International Jury of Awards, and constitutes a compact, classified, indexed compendium of man's activity in all phases, extending from the most material to the most refined products. It is estimated that a million objects are exposed in the various displays installed within the palaces, and in the foreign, state and special pavilions. To properly classify, group and arrange all the exhibits of an exposition of such international scope, is a task of such magnitude that it was impossible to provide a complete catalogue of these exhibits on the opening day of the Exposition.

This revised and complete edition of the official catalogue is therefore presented. In realization of its extraordinary value as a document of general and commercial reference, special care has been given to its preparation, so that it constitutes a full list of the infinite variety of interesting exhibits which are the concrete evidences of the industrial, educational and artistic advancement of the world.

Acknowledgment is hereby offered of the excellent co-operation received in the compilation of this catalogue from the Commissioners-General of participating nations, officers of State Commissions, individual exhibitors, and more particularly the various officers of the Division of Exhibits, as also from the Official Catalogue Company, the publishers of this catalogue.



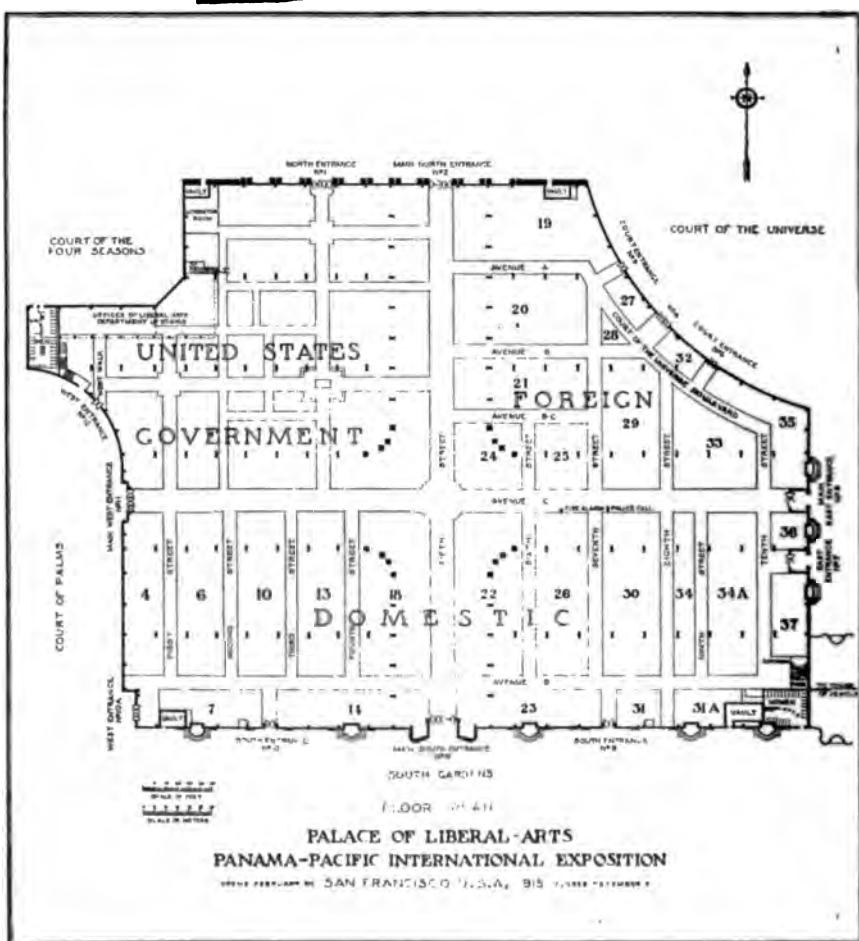
PALACE OF LI

LIBERAL ARTS

OFFICIAL CATALOGUE

Department D

TYPOGRAPHY
BOOKS AND PUBLICATIONS
MAPS AND APPARATUS FOR GEOGRAPHY
MANUFACTURE OF PAPER
PHOTOGRAPHY
INSTRUMENTS OF PRECISION
PHILOSOPHICAL APPARATUS
COINS AND MEDALS
MEDICINE AND SURGERY
CHEMICAL AND PHARMACAL ARTS
MUSICAL INSTRUMENTS
THEATRICAL EQUIPMENT
ELECTRICAL METHODS COMMUNICATION
MODELS FOR PUBLIC WORKS
ARCHITECTURE
ARCHITECTURAL ENGINEERING



INTRODUCTION

Installation of Exhibits in the Department of Liberal Arts

By Theodore Hardee, Chief of Department.

The Palace of Liberal Arts is approximately 585 feet long by 470 feet wide, with walls 55 feet high, and covers nearly six acres of ground. The main front of the building faces the South Gardens and the westerly end fronts on the "Court of Palms" and the "Court of the Four Seasons"; the northerly wall is divided from the Palace of Agriculture by an oblong garden connecting the "Court of the Four Seasons" with the grand central "Court of the Universe," which, with its wide approach from the lofty "Tower of Jewels," opposite the main entrance to the Exposition grounds, forms the northeasterly and easterly boundaries of the Palace of Liberal Arts. The dome in center of the Palace is 160 feet high and the tower over the southwest corner rises to a height of 195 feet. Wide entrances at convenient intervals afford ready access to the building and make pleasing and imposing effects.

The aisles of the Palace are designated as avenues (by letters) running east and west, and as streets (by numbers) from north to south. All exhibits may thus be readily located by reference to the Official Catalog for this Department.

The general scheme for installation of exhibits in the Palace of Liberal Arts provides for location of commercial and scientific exhibits from the United States in "industrial" groups corresponding to the Official Classification for this Department. The Foreign exhibits are displayed in groups according to their respective nationalities. The Domestic Section occupies the entire southern half and the upper portion of the northeastern quarter of the Palace. The Foreign Groups are located in the northeastern quarter. The whole northwest quarter is devoted to the United States Government exhibits.

Owing to limitation of space in the Palace of Liberal Arts, the exhibits of Printing Presses, their processes, and kindred equipment, Road Rollers and similar heavy products of the Liberal Arts classification are installed in the west

corner of the Palace of Machinery, where a "Liberal Arts Section" is established for this purpose. While these exhibits are not displayed in the Palace of Liberal Arts, they are listed in the Official Catalog as exhibits of Liberal Arts and are subject to review as such by the International Jury on Awards for the Department of Liberal Arts.

The three groups composing the Graphic Arts, consisting of typography, books and publications and maps, occupy three blocks just south of Avenue "C" in the southwestern corner and one block in the northeastern quarter of the Liberal Arts Palace. Adjoining the Graphic Arts are the Medical and Surgical exhibits, and next come the Musical Instruments. Photography covers the two blocks along the southern wall directly opposite.

On the eastern side of Fifth Street, below Avenue C, the Instruments of Precision and Electrical Methods of Communication exhibits occupy the first three blocks and opposite, along the south wall, is the Engineering group. The Chemical and Pharmacal group follows in the next three blocks. Theatrical Equipment is shown along the southeast wall.

Adjoining the main east entrance to Avenue C is a small block containing an important "working exhibit" which forms the central Fire Alarm and Police Signal station for the entire Exposition.

The Domestic Architectural displays are in the northeastern part of the Foreign Section.

As a matter of accommodation, and for other important reasons, many exhibits classified as Liberal Arts may be found installed in other exhibit palaces, the Exposition Hospital, and elsewhere on the Exposition grounds. A number are in use by the Exposition management, as "working exhibits," throughout its administrative offices. The immense Pipe Organ in Festival Hall is a "working exhibit" of the Musical Instrument group. The Garbage and Refuse Disposal Plant at the extreme western end of the Exposition grounds, and the great "Panama Canal" concession on the "Zone," are both "working exhibits" in the Civil and Military Engineering group of this Department.

In the extreme southeast corner of the building are located the public service booths for Telephoning, Telegraphing and Typewriting.

Under the dome in the center of the palace is a great Telescope, with a 20-inch lens and forty feet long, emblematic of the Applied Sciences which the Department of Liberal Arts represents.

HOW TO LOCATE AN EXHIBIT

The Palace of Liberal Arts is laid out in blocks, which are consecutively numbered from 1 to 37, inclusive, as shown on the floor plan. The aisles are designated as streets (First to Tenth), running north to south, and as avenues (A to D), from east to west. To locate an exhibitor refer to the names, alphabetically arranged under the exhibit group to which each belongs in the official classification, and note the aisle location following each name. Street and Avenue signs are erected at their intersection on the corners of all blocks.

All Exhibits entered in this Catalogue are located in the Palace of Liberal Arts, **unless otherwise indicated** after the entry. The following are abbreviations used in this Catalogue to designate other Exhibit Palaces:

Fine Arts Palace.....	Fn. A. Pal.
Education Palace.....	Ed. Pal.
Liberal Arts Palace.....	Lb. A. Pal.
Manufactures Palace.....	Mfr. Pal.
Varied Industries Palace.....	V. I. Pal.
Machinery Palace.....	Mch. Pal.
Transportation Palace.....	Trns. Pal.
Agriculture Palace	Agr. Pal.
Food Products Palace	Fd. Pr. Pal.
Live Stock Palace	Lv. St. Pal.
Horticulture Palace.....	Hor. Pal.
Mines and Metallurgy Palace.....	Min. Pal.

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DEPARTMENT OF LIBERAL ARTS

Official Classification of Exhibits

GROUP 28

TYPOGRAPHY—VARIOUS PRINTING PROCESSES (Equipment, Processes and Products.)

- Class 95. Machinery, presses and other apparatus used in typography, lithography, copper-plate printing, autography, engraving on stone, copper, zinc, aluminum, etc.
- Class 96. Machinery used for photo-mechanical printing.
- Class 97. Equipment, apparatus and products of type foundries, and other auxiliary and miscellaneous printing office appliances and labor-saving devices of stereotyping, electrotyping, electrolytic appliances and processes; electro-thermic appliances and processes.
- Class 98. Machines for setting and distributing type, casting type, etc.
- Class 99. Special equipment for printing bank notes, postage stamps, bonds, etc.
- Class 100. Typewriting machines and devices for duplication of copy, mimeograph, neostyle, addressing machines, dictating machines, etc.
- Class 101. Specimens in black and color typography, lithography, copper-plate printing and other methods of printing.
- Class 102. Specimens of engravings and drawings obtained, reproduced, enlarged or reduced by photo-mechanical processes.

GROUP 30

BOOKS AND PUBLICATIONS—BOOK BINDING

- Class 103. Newspapers, reviews and other periodicals and publications; newspaper and magazine offices or plants shown by models or photographs; means and methods of advertising, news gathering, etc.; methods and processes of publication. (Technical and trade publications may be displayed in the Departments with which they are allied.)
- Class 104. Collections of books, forming special libraries.
- Class 105. New books and new editions of old books.
- Class 106. Drawings for book, newspaper and magazine illustration, atlases, albums.
- Class 107. Musical publications.
- Class 108. Musical scores. May be displayed in Group 37.
- Class 109. Equipment and processes of making stitched books and of book binding.
- Class 110. Specimens of binding, stamping, embossing, gilding, etc.
- Class 111. Artistic book binding.

GROUP 31

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY

- Class 112. Maps, charts and atlases: geographical, topographical, geological, hydrographical, astronomical, etc.
- Class 113. Topographic models in relief.
- Class 114. Terrestrial and celestial globes; statistical works and tables.
- Class 115. Statistical tables and nautical almanacs for the use of astronomers, surveyors and seamen.

GROUP 32

MANUFACTURE OF PAPER

(Raw Materials, Equipment, Processes and Products.)

- Class 116. Collections of raw materials used in the manufacture of paper and card-board.
- Class 117. Equipment and processes used in making pulp from rags, straw, wood, etc.
- Class 118. Appliances and processes used in the manufacture of paper by hand.
- Class 119. Equipment and processes used in the manufacture of paper by machinery. Machines for producing endless paper. Apparatus for cutting, glazing, calendering, polishing.
- Class 120. Apparatus and processes used in the manufacture of special papers and of card-board.
- Class 121. Paper mill products, including papers of common and special grades not made up: paper for newspapers, books, maps, bank notes, drawings; photographic and art papers; paper for stationery; packing, wrapping and blotting paper; filter and laboratory paper; building and stock for wall paper; mill board, and card-board; papier maché, compressed paper, etc.

**GROUP 33
PHOTOGRAPHY**

(Equipment, Processes and Products.)

NOTE: Photographs relating to any exhibit may be shown in connection therewith in any exhibit palace.

- Class 122.** Materials, instruments and apparatus of photography, equipment of photographic studios, stereopticons, mutographs, kinetoscopes, moving pictures, etc.
- Class 123.** Negative and positive photography on glass, paper, wood, cloth, films, enamel, etc. Photogravure in intaglio and in relief; photocolligraphy, photolithography. Stereoscopic prints. Enlarged and micrographic photographs. Color photography. Direct, indirect and photo-color printing. Scientific and other applications of photography.
- Class 124.** Pictorial photography.

**GROUP 34
INSTRUMENTS OF PRECISION, PHILOSOPHICAL APPARATUS, ETC.
COINS AND MEDALS**

(Equipment, Processes and Products.)

- Class 125.** Laboratory apparatus for physical investigations; mathematical instruments; instruments for practical geometry; instruments for refined physical measurement; sensitive balances, high grade thermometers, indicators, integrators, chronographs, etc. Lecture room apparatus.
- Class 126.** Instruments for and methods of land surveying, including plane, topographic and geodetic surveying. Surveyors' compasses, leveling instruments, transits, geographic instruments, pedometers, heliotropes, etc.
- Class 127.** Astronomical instruments and methods; telescopes and fittings, astronomical photographic apparatus and photographs; reflectors, helioscopes, astronomical clocks.
- Class 128.** Navigation instruments and equipment; including sextants, mariners' compasses, alidades, patent logs, sounding machines, chronometers, etc. Meteorological instruments, thermometers, barometers, wind current meters, etc.
- Class 129.** Electrical instruments and apparatus for scientific investigations or research work; electrical furnaces for laboratory use; thermal batteries; electrical standards.
- Class 130.** Photometry: apparatus for determining the intensity, distribution and illuminating power of light. Standards.
- Class 131.** Transferred to Class 542.
- Class 132.** Optical instruments for general use; telescopes, binoculars, opera, field and marine glasses, magnifying glasses. Lenses for testing vision; eye glasses and spectacles.
- Class 133.** Calculating machines; cash registers; scales, weights and measures of various countries.
- Class 134.** Equipment for the manufacture of coins and medals. Appliances for weighing the metal, testing the standard of alloys, melting and casting, rolling, stamping out, milling, washing, verification of weight of coins, counting, striking, and checking them before delivery; equipment for the preparation of stamps and dies, coins and medals; treatises upon coins, economical, statistical, etc.

**GROUP 35
MEDICINE AND SURGERY**

- Class 135.** Appliances, instruments and apparatus for work in anatomy, histology and bacteriology; anatomical models; normal and pathological, histological and bacteriological preparations.
- Class 136.** Apparatus for sterilizing instruments and wound-dressing appliances, and for other purposes of sterilization.
- Class 137.** Instruments for general and special medical research.
- Class 138.** Instruments and apparatus for general, special and local surgery.
- Class 139.** Electricity as applied in therapeutics, surgery and dentistry; X-ray apparatus; electric sterilizers, ozonizers.
- Class 140.** Appliances for dressing wounds.
- Class 141.** Apparatus for plastic and mechanical prosthesis; orthopedic apparatus; apparatus for hernia; apparatus for medical gymnastics; material, instruments and apparatus for special therapeutics.
- Class 142.** Instruments and apparatus used in the practice of dentistry; dental surgery, bridge and plate work, etc.
- Class 143.** Appliances for the use of the infirm, of invalids, and of lunatics, artificial limbs, artificial eyes.
- Class 144.** Chests and cases of instruments and medicines for the use of surgeons of the army and navy; appliances for rendering aid to the wounded on the field of battle; appliances for rendering aid in case of accident; ambulance service, etc.
- Class 145.** Appliances for rendering aid to persons apparently drowned or asphyxiated.
- Class 146.** Instruments and appliances for veterinary surgery.
- Class 147.** Equipment and utensils used by druggists and pharmacists.

GROUP 36
CHEMICAL AND PHARMACAL ARTS
 (Equipment, Processes and Products.)

- Class 148. Laboratory apparatus and utensils; lamps, blow-pipes; presses, drying ovens, filters; furnaces, ovens, etc., used in chemical laboratory work.
- Class 149. Apparatus and instruments for making industrial and commercial analyses.
- Class 150. Equipment and processes used in the chemical treatment of animal substances, with their products; superphosphates, soaps, candles, glycerine.
- Class 151. Apparatus and processes for the production of electrolysis of hydrogen peroxide, chlorine, hypochlorites, chlorates, soda, bleaching materials, and various other chemicals. Also electro-thermal apparatus and processes for chemical manufacture not otherwise specified.
- Class 152. Equipment and processes used in the manufacture of vegetable essences.
- Class 153. Transferred to Class 770.
- Class 154. By-products for pharmaceutical use obtained from the treatment of mineral substances such as petroleum and coal tar derivatives, etc.
- Class 155. Equipment and processes used in treating waste matter from factories (by chemical or electrical methods) with a view to permitting their return to water courses or to the atmosphere.
- Class 156. Equipment for charcoal work and the production of various derivatives; methylated spirit, acetone, acetic acid, tar, wood alcohol, pyroligneous acid. Products of charcoal burning.
- Class 157. Apparatus and processes for the compression and liquefaction of gas. Liquefied gases.
- Class 158. Apparatus and processes for the manufacture of artificial textiles.
- Class 159. Appliances and processes used in the manufacture of pharmaceutical products. Raw materials of pharmacy; sera and other biological products, as bacterines, vaccines, tuberculines, etc.; drugs of mineral, animal and vegetable origin, crude, powdered and compound; special appliances for collecting, cleaning, peeling, slicing, cutting and garbelling crude drugs.
- Class 160. Disinfectants; standardization of disinfectants; manufacture of disinfectants; drug preservation, drug sterilization, ampuls, etc.
- Class 161. Acids, alkalies, salts and compounds of every kind. Chemical elements derived from their compounds and chemical compounds not otherwise classified.
- Class 162. Refined sulphur and derivatives from sulphur.
- Class 163. Equipment and processes used, and products obtained in the manufacture of phosphorus and matches.
- Class 164. Drug adulteration; methods of adulteration; methods of detecting adulteration.
- Class 165. Various products of chemical industries; tanning materials, waxes, essential oils, glue and gelatine; perfumes, cosmetics and extracts; various glasses, printing ink, blacking.
- Class 166. (Transferred to Manufactures and Agriculture.)
- Class 167. (Transferred to Mines and Metallurgy.)
- Class 168. Alcohols modified for industrial purposes.
- Class 169. Equipment and appliances for producing calcium carbide, and for the storage of acetylene gas.
- Class 170. Insecticides; fungicides; parasiticides and methods of manufacture and use.
- Class 171. Pyrotechnics, bombs, signals, etc.

GROUP 37

MUSICAL INSTRUMENTS

(Materials, Processes and Products.)

- Class 172. Materials and processes for manufacturing musical instruments.
- Class 173. Wind instruments of metal or wood, having openings with or without keys, simple mouth pieces, pipes or reeds, with or without reservoir of air.
- Class 174. Metal wind instruments, plain or with lengthening pieces, slides, pistons, keys or reeds.
- Class 175. Wind instruments with key-board; organs, accordions, etc.
- Class 176. Stringed instruments without key-board, played with the fingers or with a bow.
- Class 177. Pianos, player pianos, and other stringed instruments with key-board.
- Class 178. Instruments played by percussion or friction; drums and cymbals.
- Class 179. Automatic instruments: barrel organs, bird organs, musical boxes, piano and organ players, bandonians, orchestrions, etc.
- Class 180. Phonographs, talking machines, graphophones and similar devices.
- Class 181. Separate parts of musical instruments and orchestral appliances; strings for musical instruments.

GROUP 38

THEATRICAL APPLIANCES AND EQUIPMENT

- Class 182. Interior equipment and special furniture for theaters.
- Class 183. Arrangements for preventing and extinguishing fires. (See also Class 463.)
- Class 184. Scenery; curtains, metallic curtains, gauzes, nets; colors, brushes, palettes, cordage; special iron work; lighting; electrical apparatus, candelabra, colored screens, apparatus for imitating flame, smoke, lightning, fireworks; projections; spectres; phosphorescence.
- Class 185. Machinery; windlasses, drums, chests, traveling platforms, slides, trolleys, traps, counterweights, flies.
- Class 186. Costumes; special materials, printing on different materials, armor; jewelry; foot-gear; dancing shoes; wigs, beards, make-up; paints for making up.
- Class 187. Properties for imitation of various phenomena, such as thunder, hail, wind, snow, gun-firing; card-board work of all kinds; furniture made in perspective.

GROUP 39

ELECTRICAL METHODS OF COMMUNICATION

- Class 188. Telephone, telegraph and wireless instruments, dictographs, devices for the deaf, etc.; their apparatus and specific equipment.
- Class 189. Fire alarm systems and equipment; police signals and patrol box systems and equipment; electric annunciators and other electric signal apparatus not classified.

GROUP 40

CIVIL AND MILITARY ENGINEERING

- Class 190. (Transferred to Mines and Metallurgy.)
- Class 191. Methods of testing structural materials, and apparatus used therefor.
- Class 192. (Transferred to Class 215.)
- Class 193. Methods used in earth work, such as the construction of canals, railroads, levees, embankments, etc.
- Class 194. Equipment and methods for the construction and maintenance of roads, streets, promenades and highways.
- Class 195. Equipment for and methods used for preparing foundations; piles, pile-drivers, screw-piles, pneumatic apparatus, caissons, diving apparatus, wire trams, etc.
- Class 196. Passenger elevators, pneumatic tubes, etc.
- Class 197. Military defenses and accessories: engineering material employed in the operation of an army.
- Class 198. (Transferred to Classes 197 and 532.)
- Class 199. Equipment for and methods used in storing and distributing water. (See Class 750 for special methods in mining.)
- Class 200. Equipment for and methods of city sanitation.

GROUP 41

MODELS, PLANS AND DESIGNS FOR PUBLIC WORKS

- Class 201. Roads and other public highways. Construction and maintenance of streets in cities.
- Class 202. Inland navigation; improvement of rivers, construction of canals, dams, locks, lifts, ship railways, reservoirs, spillways and feeders; dredges, pile sinkers, pile drivers, current deflectors, scraping and water-jet devices for removing sand-bars, etc.; pumping stations, mechanical towing and warping; equipment used for the development of river ports.
- Class 203. Sea ports (general arrangements); piers, docks, jetties, basins; equipment for development (not including shipping).
- Class 204. Bridges and viaducts; railway, road and foot bridges.
- Class 205. Maritime canals.
- Class 206. Protection against flooding by rivers or by sea; levees, dikes and sea walls.
- Class 207. Railways as regards plan and profile of the line, and engineering works, subways, elevated lines, tunnels.
- Class 208. Statistics, maps and publications relative to public works; transactions and other features pertaining to engineering societies.

GROUP 42

ARCHITECTURE

- Class 209. Drawings, models and photographs of completed buildings.
- Class 210. Drawings, models and photographs of artistic architectural details.
- Class 211. Designs for mosaics and for mosaic and leaded glass.

GROUP 43

ARCHITECTURAL ENGINEERING

- Class 212. Models and working plans of public and commercial buildings, large and small dwelling houses, flats, apartment houses, and other architectural structures.
- Class 213. Models, detail drawings and specifications for foundations, walls, partitions, floors, roofs and stairways, wood and metal framing, etc.
- Class 214. Designs and models of special contrivances for safety, comfort, and convenience in the operation of moving stairways, doors, windows, house signals, fire escapes, ventilators, etc.
- Class 215. Working plans for the trades, mason, carpenter, etc., connected with building construction; designs and models of bonds, arches, coping, vaulting, etc.; plastering and construction of partitions.

DEPARTMENT D—LIBERAL ARTS

UNITED STATES

Topography, Books and Publications, Maps and Apparatus for Geography, Manufacture of Paper, Photography, Instruments of Precision, Philosophical Apparatus, Coins and Medals, Medicine and Surgery, Chemical and Pharmacal Arts, Musical Instruments, Theatrical Methods Communication, Models for Public Works, Architecture, Architectural Engineering, See Classifications.

GROUP 29

TYPOGRAPHY—VARIOUS PRINTING PROCESSES.

- Acorn Brass Mfg. Co., The, Chicago, Ill.** Thexton Envelope Sealers. 1st St., bet. Aves. C & D. Represented by H. S. Crocker Co., 565 Market St., San Francisco.
- Addressograph Co., The, Chicago, Ill.** Addressing Machines. 1st St., bet. Aves. C & D. Represented by H. S. Crocker Co., 565 Market St., San Francisco.
- American Automatic Press Co., New York, N. Y., San Francisco, Cal.** Meh. Pal., Av. A, cor. 3d St. New Hoag Auto. Ptg. Press.
- American Multigraph Sales Co., The, Cleveland, O.** Multigraph, etc. Work'g exh. in Lv. St. Pal.
- Ames Harris Neville Co., San Francisco, Cal.** Meh. Pal., 5th St. & Av. C. Printing plates for wood.
- Atkins & Co., E. C., Indianapolis, Ind.** Steel cutting rules. Mtr. Pal., 5th St., bet. Aves. C & D.
- Bates Manufacturing Company, Orange, N. J.** 1st St. bet. Aves. C & D. Numbering machines.
- Beck Duplicator Co., The, New York, N. Y.** Duplicating Copy Machine. 1st St., bet. Aves. C & D. Represented by H. S. Crocker Co., 565 Market St., San Francisco.
- Benjamin, Marcus, Washington, D. C.** Auto-graph letters. Ed. Pr. Pal. Av. D, & 2d St.
- Blair-Murdock Company, San Francisco, Cal.** Printing plant. Meh. Pal., Av. A, cor. 4th St. Printers and Publishers; Edition Printing and Binding; Illustrated Catalogs and Booklets; Advertising Literature prepared; Printers of the Panama-Pacific International Exposition Official Guide Book.
- Brown Barotype Co., The, Chicago, Ill.** Composing Machines. Meh. Pal., 5th St., bet. Aves. A & B.
- Columbia Graphophone Co., New York, N. Y.** Dictaphones. Wkg. Exh. in Administrative Office of Expo.
- Columbia Graphophone Co., New York, N. Y.** Dictaphones. Av. D, 4th and 5th Sts.
- Corona Typewriter Co., Groton, N. Y.** Folding Typewriters. 1st St., bet. Aves. C & D.
- Crocker Company, H. S., San Francisco, Cal.** Mimeograph Machine. Wkg. Exhibit. Lv. St. Pal.
- Crocker Co., H. S., San Francisco, Cal.** Collective exhibit. 1st St., bet. Aves. C & D.
- Cranin, Richard, New York, N. Y.** Lithographic work in novelties. V. I. Pal. Av. A & 4th St.
- Denny, Hilborn & Rosenbach, Philadelphia, Pa.** Embossing Inks. Meh. Pal., 5th St., cor. Av. A.
- Dick Co., The A. B., Chicago, Ill.** Mimeographs. 1st St., bet. Aves. C & D. Edison-Dick Mimeographs and Supplies. Represented by H. S. Crocker Co., 565 Market St., San Francisco.
- Egry Register Co., The, Dayton, O.** Manifold-ing Registers. 2d St., bet. Aves. C & D.
- Funk & Wagnalls Company, New York, N. Y.** Lithographic Work. 2d St., bet. Aves. C & D. Interesting exhibit showing the production of lithographic work step by step.
- Gnu Sales Corporation—San Francisco, Cal.** Copy holder, 2d St. bet. Aves. C & D.
- Graphic Arts Co., The, Philadelphia, Pa.** Etching Machine. Meh. Pal., 5th St., cor. Av. A.
- Hearst, W. E., New York, N. Y.** Hearst publications. Meh. Pal., 4th St., Aves. A and B.
- Hoe & Co., E., New York, N. Y.** Printing Presses. Meh. Pal. In Hearst exhibit.
- Ideal Stencil Machine Co., Belleville, Ill.** Meh. Pal., 5th St. & Ave. E.
- International Acheson Graphite Co., Niagara Falls, N. Y.** Electrotypes, etc. Min. Pal. Av. C bet. 4th and 5th Sts.
- Jefferies, Anna Mae, Brooklyn, N. Y.** Printed cards. V. I. Pal., 1st St., bet. Aves. B & C.
- Langston Monotype Mach. Co., Phil., Pa.** Typesetting machines. Meh. Pal., 5th St., cor. Av. B.
- Levy, J. S. B., Philadelphia, Pa.** Cameras. Meh. Pal., 5th St., cor. Av. A. Photo-Engravers, Process Cameras and Stands.
- Levy, Max, Philadelphia, Pa.** Engraved Gratings. Meh. Pal., 5th St., cor. Av. A.
- Lineatype Manufacturing Co., Rochester, N. Y.** Copy holder. Ed. Pal. Av. C & 6th St.
- Lisensy Manufacturing Co., Fresno, Cal.** Multicolor Press. Meh. Pal., 5th St. and Av. B.
- Mayer & Company, Robert, New York, N. Y.** Meh. Pal., 5th St., cor. Av. A. Lithographing Inks; Bronzing Machines; Parks Lithographic Hand Presses; Lithographic Machinery. Geo. Russell Reed Co., San Francisco, Distributors.
- Mergenthaler Linotype Co., New York, N. Y.** Linotype Machines. Meh. Pal., 5th St., cor. Av. A.
- Muller, E. C., New York, N. Y.** Engraving Tools, etc. Meh. Pal., 5th St., cor. Av. A.
- Pacific Novelty Co., San Francisco.** Lithographic work in novelties. V. I. Pal. Av. A & 4th St.
- Peerless Check Protecting Co., Rochester, N. Y.** Peerless Check Writers. 1st St., bet. Aves. C & D.

Reed Co., Geo. Russell, San Francisco, Cal. Printers' Inks, etc. Mch. Pal., 5th St., cor. Av. A
Remington Typewriter Company, New York, N. Y. Remington Typewriters. Working exhibits in all Administrative offices of the Exposition.

Remington Typewriter Company, New York, N. Y. Typewriters. Av. C, 1st and 2d Sts. Remington, Smith-Premier and Monarch Typewriters. Typewriters, Typewriter-Adding Machines and Supplies, manufactured and sold by Remington Typewriter Company, Inc., comprising Remington, Smith-Premier and Monarch Typewriting Machines and Remington Wahl Typewriter-Adding Machines.

Boyle & Sons, John, Paterson, N. J. Routing Machines, etc. Mch. Pal., 5th St., cor. Av. A.

Schmidt Lithograph Co., San Francisco, Cal. Lithographic work. 1st St., bet. Aves. C & D.

Schniedewend & Co., Paul, Chicago, Ill. Printers' Equipment. Mch. Pal., 5th St., cor. Av. A.

Scott-Hiner Co., The, San Francisco, Cal. Artists and Designers. 2d St., bet. Aves. C & D.

Sheip Mfg. Co., Henry H., Philadelphia, Pa. Cherry Wood Blocks. Mch. Pal., 5th St., cor. Av. A.

Sibley, E. L., Bennington, Vt. Challenge Eyelet Presses. 1st St., bet. Aves. C & D. Represented by H. S. Crocker Co., 565 Market St., San Francisco.

Sperry Flour Co. of California, San Francisco, Cal. Printing. Ed. Pr. Pal., 3d St., bet. Aves. C & D.

Sweigard Ideal Co., Chicago, Ill. Contact Frames. Mch. Pal., 5th St., cor. Av. A.

Taylor-Hobson Company, New York, N. Y. Photo-engraving Lenses. Mch. Pal., 5th St., cor. Av. A. Cooke Process Lenses.

Todd & Co., G. W., Rochester, N. Y. Protectograph checkwriter. S. end 8th St.

Underwood Typewriter Co., New York, N. Y. Typewriters, etc. 5th & 7th Sts., bet. Aves. A & B.

United Autographic Register Co., The, Chicago, Ill. Typewriter attachments. 7th St., bet. Aves. C & D.

GROUP 30

BOOKS AND PUBLICATIONS—
BOOK-BINDING.

American Roll Gold Leaf Co., Providence, R. I. Mch. Pal., 4th St., Aves. B & C.

Am. Sheet & Tin Plate Co., Pittsburgh, Pa. Photos. U. S. Steel Corp'n Col. Ex., Min. Pal.

Anderson & Son, C. F., Chicago, Ill. Folding Machines. Mch. Pal., 4th St., Aves. B & C.

Annals of Surgery, Philadelphia, Pa. Medical Publications. Work'g exh. in Expo. Hospital.

Appleton & Co., D., New York, N. Y. Medical Publications. Work'g exh. in Expo. Hospital.

Atkins, E. C. & Company, Indianapolis, Ind. Book binders' saws, press and plate cutter. Mfg. Pal., 5th St., bet. Aves. C & D.

Baker, Cordelia Taylor, St. Louis, Mo. Book. V. I. Pal., Av. B, 1st St. & Av. C.

Blakiston's Son & Co., P., Philadelphia, Pa. Medical Publications. Wkg. Exh. in Expo. Hospital.

Brown Folding Machine Co., Erie, Pa. Mch. Pal., 4th St., Aves. B & C.

Buffum, Clara, Providence, R. I. Book entitled "Oxford." V. I. Pal., Av. B, 1st St. & Av. C.

Burton's Son, A. G., Chicago, Ill. Numbering Machines, etc. Mch. Pal., 4th St., Aves. B & C.

Carnegie Steel Co., Pittsburgh. Technical advertising literature. U. S. Steel Corp'n Col. Ex., Min. Pal.

Challenge Machine Co., Grand Haven, Mich. Paper Cutters. Mch. Pal., 4th St., Aves. B & C.

Christian Science Publishing Society, The, Boston, U. S. A. Publications. Ed. Pal., cor. 2d St. and Av. D. Exhibiting the works of Mary Baker Eddy. Publishers of "The Christian Science Journal," "The Christian Science Sentinel," "Der Herold der Christian Science," "The Christian Science Monitor," and other publications pertaining to Christian Science.

Chronicle Publishing Company, San Francisco, Cal. Newspaper, Av. C, cor. 2nd St. Drawings, Zinc Etchings, Stereotype Metal, and materials used in producing a newspaper.

Cleveland Folding Machine Co., Cleveland, O. Folding Machines. Mch. Pal., 4th St., Aves. B & C.

Clute, Beulah Mitchell, Park Ridge, Ill. Bookplates. V. I. Pal., Av. B, 1st St. & Av. C.

Cole-Howland, L. Averill, Watertown, Mass. Books hand tooled. V. I. Pal., Av. B, 1st St. & Av. C.

Collier & Son, P. F., New York, N. Y. Books. 2nd St. and Aves. B & C.

Collier & Son, P. F., New York, N. Y. Publications. Wkg. exh. in Lib. Arts Dept. Offices.

Coulter, Mary J., San Francisco, Cal. Hand-bound books. V. I. Pal., Av. B, cor. 2nd St.

Covina Pub. Co., Covina, Cal. Publications. Working exhibit in Lib. Arts Dept. offices.

Curtiss Book Co., The, Los Angeles, Cal. Books and publications. West end Av. D.

Davis Co., F. A., Philadelphia, Pa. Medical books. Wrk. Exh. in Exposition hospital.

Dudley, Fanny, New York, N. Y. Books. V. I. Pal., Av. B, 1st St. & Av. C.

Elder & Co., Paul, San Francisco, Cal. Publications and Bindings. Av. D, cor. 2d St.

Publications by Paul Elder & Co.; Books on California; Fine and Rare Books; Leaflets, etc.

Encyclopedia Britannica, The, New York, N. Y. Encyclopedia Britannica. Av. D, cor. 1st. New and old books; bindings, stampings; paper products. Century dictionary.

Fortuna Machine Co., New York, N. Y. Skiving machine. Mch. Pal., 4th St., Aves. B & C.

Funk & Wagnalls Co., New York, N. Y. Med. ref. library. Wkg. exh. in Expo. Hospital.

Funk & Wagnalls Co., New York, N. Y. The Literary Digest, 2nd St., bet. Aves. C & D.

Publications. Periodicals; new books and new editions of old books; drawings; New Standard Dictionary; Standard Dictionary Abridgments; Works of Reference.

Gane Bros. & Co., Chicago, Ill. Embossing Machines. Mch. Pal., 4th St., Aves. B & C.

Getman, Grace M., Greenfield, Ind. Newspaper fashion drawings. V. I. Pal., 1st St., bet. Aves. B & C.

Grabau, John F., Buffalo, N. Y. Book bindings. V. I. Pal., 1st St., bet. Aves. B & C.

Grolier Society, The, New York, N. Y. The book of knowledge. The children's encyclopedia, 16 great departments, 6444 pages, with complete index. Over 10,000 educational pictures. 350 colored plates. Introduction by John H. Finley, commissioner of education. State of New York. 1st St., bet. Aves. C & D.

Haines, J. Morris, Indianapolis, Ind. Book bindings. V. I. Pal., 1st St., bet. Aves. B & C.

Haines, Ruth Carey, Indianapolis, Ind. Books. V. I. Pal., 1st St., bet. Aves. B & C.

Hall Co., The Norman F., San Francisco, Cal. Coll. exhibit. Mch. Pal., 4th St., Aves. B & C.

Hearst, W. E., New York, N. Y. Hearst Publications. Mch. Pal., 4th St., Aves. A & B.

Hendricks, Bessie, Indianapolis, Ind. Book plate. V. I. Pal., 1st St., bet. Aves. B & C.

- Hickok Mfg. Co., The W. O., Harrisburg, Pa.** Mch. Pal., 4th St., Ave. B & C. Ruling Machine and Feeder; Gilding Press; Finishing Stand, Ruling Pens & Paper Ruling Machine.
- Hill Publishing Co., New York, N. Y.** Periodicals. Mch. Pal., 1st St., bet. Aves. C & C2. "Engineering & Mining Journal."
- Holliston Mills, Norwood, Mass.** Book cloth. Mch. Pal., 4th St. Aves. B & C.
- Horton Mfg. Co., Minneapolis, Minn.** Pulleys. Mch. Pal., 4th St., bet. Aves. B & C.
- Hosea, Miss Anna, Indianapolis, Ind.** Portraiture, etc. V. I. Pal. 1st St. bet. Aves. B & C.
- Howell, John, San Francisco, Cal.** Publications and Bindings. 2d St. bet. Aves. C & D. 14th & 15th Century manuscripts on parchment illuminated; Importer and Publisher, Old and Rare Books, Manuscripts, Autograph Letters.
- Illinois Steel Co., Chicago, Ill.** Photos. U. S. Steel Corp'n Col. Ex., Min. Pal.
- Jacques & Son, John, Worcester, Mass.** Table Shears. Mch. Pal., 4th St., Aves. B & C.
- Journal Publishing Co., The, Shreveport, La.** Newspaper. Agr. Pal., 8th & 10th Sts. bet. Aves. B & C.
- Julihn, Eric G. A., Alameda, Cal.** Book binding. V. I. Pal., Av. B, 1st St. & Av. C.
- Julihn, Eric H., San Francisco, Cal.** Books bound by hand. V. I. Pal., Av. B., 1st St. & Av. C.
- Lang Mfg. Co., E. G., New York, N. Y.** Index Tabs. Mch. Pal., 4th St., bet. Aves. B & C.
- Lea & Febiger, Philadelphia, Pa.** Medical books. Wrk. Exh. in Exposition hospital.
- Lee Company, The, Wilson H., New Haven, Conn.** Directories. V. I. Pal., Av. B, 1st & 2d Sts.
- Lippincott, J. B., Philadelphia, Pa.** Med. Ref. Library, Wkg. exhibit in Expo. Hospital.
- Mail Publishing Co., Stockton, Cal.** Daily Periodical. Agr. Pal., Av. C & 9th St.
- Marriott, F., San Francisco, Cal.** Publications. 6th St., bet. Aves. C & D.
- Master Mind Pub. Co., Los Angeles, Cal.** Publications. 2d St., bet. Aves. C & D.
- McGraw Publishing Co., New York, N. Y.** Tech. Books. Mch. Pal., 2nd St. & Av. C.
- McMurty, Belle S., San Francisco, Cal.** Book binding. V. I. Pal., Av. B, 1st St. & Av. C.
- Merriam Co., G. & C., Springfield, Mass.** Webster Dictionaries & Pubs. 2d, bet. Aves. C&D.
- Methodist Book Concern, The, Cincinnati, O.** Books, Periodicals, Charts, etc. Ave. C, cor. 1st St. The Abingdon Press, Founded 1780. Cincinnati; New Books, New Editions of Old Books; Sunday School Periodicals, Pacific Coast Headquarters. Our own building, 3-5-7 City Hall Ave., San Francisco, Cal.
- Mosby, C. V., St. Louis, Mo.** Medical books. Wrk. Exh. in Exposition hospital.
- Muller, Chas. A., New York, N. Y.** Glueing Machine. Mch. Pal., 4th St., Aves. B & C.
- Munder & Co., Norman T. A., Baltimore, Md.** Printing, Advertising Literature, Framed Pictures. 2nd St., bet. Aves. C & D.
- National Memorial of the United States, The, Washington, D. C.** Book bindings. 6th St., bet. Aves. C & D.
- Neubacher, Margaret S., Indianapolis, Ind.** Book plates. V. I. Pal., 1st St., bet. Aves. B & C.
- New Orleans Daily States, New Orleans, La.** Newspaper. Agr. Pal., 8th & 10th Sts. bet. Aves. B & C.
- New Orleans Item, New Orleans, La.** Newspaper. Agr. Pal., 8th & 10th Sts., bet. Aves. B & C.
- Pacific Press Publishing Association, Mountain View, Cal.** Publications. Mch. Pal., 5th St., cor. Av. B. Bound books in various languages, complete and process of manufacture. Seventh-day Adventist Publications, Books, Tracts and Periodicals in various languages. Main Offices, Mountain View, Cal. Branches, Kansas City, Mo.; Portland, Ore.; College View, Neb.; Calgary, Alta., Can.; Review & Herald Pub. Assn. Main Office, Takoma Park, Washington, D. C. Branches, 32 Union Square, New York City; South Bend, Ind.; Southern Pub. Assn. Main Office, Nashville, Tenn. Branches, Atlanta, Ga.; Fort Worth, Texas.
- Plimpton Transfer Truck, Norwood, Mass.** Tfr. Trucks. Mch. Pal., 4th St., Aves. B & C.
- Price & Lee Co., The, New Haven, Conn.** City Directories. V. I. Pal., Av. B. bet. 1st & 2nd Sts.
- Rebman Co., New York, N. Y.** Medical Publications. Wkg. Exh. in Expo. Hospital.
- Reed Co., Geo. Russell, San Francisco, Cal.** Glue & Cement. Mch. Pal., 5th, cor. Av. A.
- Roberts & Co., H. L., New York, N. Y.** Silk Stitching Mehns., Mch. Pal., 4th St. & Aves. B & C.
- Rosback Co., The F. P., Benton Harbor, Mich.** Book Mkg. Mch. Mch. Pal., 4th St., Aves. B & C.
- Ruby, Edna Browning, LaFayette, Ind.** Designs for book illumination. V. I. Pal., 1st St., bet. Aves. B & C.
- Saunders Co., W. B., Philadelphia, Pa.** Medical Books. Wkg. Exh. in Expo. Hospital.
- Scott-Hiner Co., The, San Francisco, Cal.** Artists & Designers. 2d St., bet. Aves. C&D.
- Seybold Machine Co., Dayton, O.** Book-making Mchys. Mch. Pal., 4th St., Aves. B & C.
- Sharpe, Anna Trowbridge, Indianapolis, Ind.** Book plates. V. I. Pal., 1st St. bet. Aves. B & C.
- Sharpe, Julia Graydon, Indianapolis, Ind.** Book plates. V. I. Pal., 1st St. bet. B & C.
- Simonds Mfg. Co., Fitchburg, Mass.** Machine knives. Mfg. Pal., 6th St. bet. Aves. C and D.
- Smyth Co., Jos. E., Chicago, Ill.** National Sewing Mach. Mch. Pal., 4th St., Aves. B&C.
- Sperry & Hutchinson Co., The, San Francisco, Cal.** Means and methods of advertising. 6th St. bet. Aves. C & D.
- Stein, Evalene, LaFayette, Ind.** Books. V. I. Pal., 1st St. bet. Aves. B & C.
- Stockton Mail Co., Stockton, Cal.** Daily Periodical. Agr. Pal., Av. C & 9th St.
- Sunset Magazine, San Francisco, Cal.** Publications. 2nd St., bet. Aves. C & D. The Pacific Monthly, reflecting the life of the Pacific Slope. Its Service Bureau gives impartial information.
- Sweringin, Eleanor I., Baltimore, Md.** Books. V. I. Pal., 1st St. & Ave. B.
- Tatum Co., Samuel C., Cincinnati, O.** Book Making Mchys. Mch. Pal., 4th St., Aves. B&C.
- Technical Publishing Co., S. F.** Tech. Books. Mch. Pal., Main West Entrance.
- Times-Picayune Publishing Co., New Orleans, La.** Newspaper. Agr. Pal., 8th & 10th Sts., bet. Aves. B & C.

Times Publishing Co., Ltd., Shreveport, La. Newspaper. Agr. Pal., 8th & 10th Sts. bet. Aves. B & C.

Tribune Publishing Co., Oakland, Cal. Newspaper and binding. 3rd St., bet. Aves. C & D.

Tuttle, Margaret Wade, Los Angeles, Cal. Book. V. I. Pal., Av. B, 1st St. & Av. C.

United Agency, Chicago, Ill. Rating book and special reports. Cor. Av. D & 9th St.

United Art Pub. Co., New York, N. Y. Children's books. V. I. Pal. Av. A & 4th St.

U. S. Steel Corp'n & Subsidiary Cos., New York, N. Y. Collective iron and steel exhibit. Min. Pal.

Vonnequut, Lillian F., Indianapolis, Ind. Book bindings. V. I. Pal. 1st St. bet. Aves. B & C.

Whitaker & Ray-Wiggin Co., San Francisco, Cal. 2d St. bet. Aves. C & D. Publishers of writings of Joaquin Miller, David Starr Jordan and other noted writers. Exhibit with John Howell.

Wood & Co., Wm., New York, N. Y. Medical Publications. Wkg. Exh. in Expo. Hospital.

Wood, Mary Ellen, New York. Book binding. V. I. Pal., Av. B, cor. 2nd St.

GROUP 31

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY.

Cahill World Map Co., San Francisco. New Map of World. 2nd St., bet. Aves. C & D.

George W. T., Dillon, Mont. Map. Agr. Pal. Aves. A & B bet. 8th & 9th Sts. Montana map showing each section in state 146,000 square miles in area—George Engineering Co., Dillon, Montana.

Iremori, T., San Francisco, Cal. Illuminated map. W. Ent. No. 10-A.

Lindesforth & Grimes, Dillon, Mont. Relief map. Agr. Pal., Aves. A & B, bet. 8th and 9th Sts.

Montana Power Co., Butte, Mont. Relief map. Agr. Pal., Aves. A & B, bet. 8th and 9th Sts.

GROUP 32

MANUFACTURE OF PAPER.

Atkins, E. C. & Company, Indianapolis, Ind. Slitter Cutter. Mfg. Pal. 5th St. bet. Aves. C & D.

Diastone & Sons, Inc. Henry, Philadelphia, Pa. Paper cutters. Mfr. Pal., Av. C, cor. 6th St.

Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich. Vegetable parchment. Agr. Pal. 4th St. bet. Aves. D & E.

Louisiana Fiber Board Co., Bogalusa, La. Agr. Pal. Aves. B & C bet. 8th & 10th Sts.

Louisiana Pulp & Paper Co., New Orleans, La. Paper. Agr. Pal., 10th St. bet. Aves. B & C.

Paraffine Paint Company, The, San Francisco, Cal. Min. Pal., 7th St., cor. Av. C. Plastic Caulking Cement; Wall Board; Building and Roofing Papers.

Simons Manufacturing Company, Fitchburg, Mass. Machine knives for paper cutting. Circular cutter knives. Mfg. Pal., 6th St. bet. Aves. C & D.

Southern Fiber & Mfg. Co., Bogalusa, La. Paper. Agr. Pal. 10th St. bet. Aves. B & C.

GROUP 33

PHOTOGRAPHY.

Anso Company, Binghamton, N. Y. Av. D, opp. 3rd St. Photographic Supplies and Apparatus.

Artist, Miller, Siskiyou, Cal. Panorama pictures. Agr. Pal. 7th & 8th Sts. bet. Aves. B & C.

Bauman, Gustave, Nashville, Ind. Woodcut print. V. I. Pal., 1st St. bet. Aves. B & C.

Benjamin, Marcus, Washington, D. C. Portraits. Fd. Fr. Pal. Av. D & 2d St.

Booth, Mary A., Springfield, Mass. Photomicrographs. Sprague-Hathaway booth.

Boselman & Co., A. C., New York, N. Y. Photo work. V. I. Pal., 1st St. bet. Aves. A & B.

Boussum, Chas., Stockton, Cal. Photographs. Agr. Pal. Av. C & 9th St.

Co-Operative Metallurgical Exhibit. Collective exhibit. Min. Pal. 5th & 6th Sts. bet. Aves. A & B.

Dassonville, W. E., San Francisco, Cal. Portraits and views. 2d St. bet. Aves. C & D.

Davidson, David, Providence, R. I. Framed pictures. V. I. Pal. 3d St., Av. E & 4th St.

Day and Night Screens, Inc., New York, N. Y. Moving Picture Screens. Ed. Pal., Ave. C bet. 5th & 6th Sts.

Eastman Kodak Co., Rochester, N. Y. Photographic Supplies. Av. D, cor. 5th St. & Min. Pal. 5th & 6th Sts., bet. Aves. A & B.

General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Apparatus for Photographing Mazda Filaments, X-Ray Photography on Glass, Scientific Applications of X-Ray Photography.

Hopkins, Kathryn, San Francisco, Cal. Photographs. Av. D, opp. 1st St.

Hosen, Anna, Indianapolis, Ind. Portraits. V. I. Pal. 1st St. bet. Aves. B & C.

Howard, Isa M., Indianapolis, Ind. Photographs. V. I. Pal. 1st St. bet. Aves. B & C.

Jacobson, Albert E., New York, N. Y. Artatone Paper Photography. W. Ent. No. 10-A & Av. D.

Kraus Mfg. Co., New York, N. Y. Photographs. V. I. Pal. Av. A & 4th St.

Leonard, Edith, Indianapolis, Ind. Photographs. V. I. Pal., 1st St., bet. Aves. B & C.

Leonard, L. M., Indianapolis, Ind. Photographs. V. I. Pal., 1st St. bet. Aves. B & C.

MONTANA, STATE OF, Bozeman, Mont. Photographs. Agr. Pal. Aves. A & B, 8th & 9th Sts.

MONTANA, STATE OF, Helena, Mont. Cyclorama. Agr. Pal. Aves. A & B, 8th & 9th Sts.

New York, City of, New York, N. Y. Photographic Illustrations. City of N. Y. Bldg.

New York State College of Forestry, Syracuse, N. Y. Moving pictures. Agr. Pal., 4th & 5th Sts.

New York State Department of Agriculture, Albany, N. Y. Moving pictures. Agr. Pal., 4th & 5th Sts.

New York State Ranger School, The, Wanaakena, N. Y. Moving pictures. Agr. Pal., 4th & 5th Sts.

North Yakima Com'l Club, North Yak Wash. Photographs. Hor. Pal., Seca. 1

- Aunger Artificial Limb Co.,** San Francisco, Cal. Artificial Limbs. 3rd St., bet. Avs. C & D.
- Bausch & Lomb Optical Co.,** Rochester, N. Y. Hospital Equip. Wkg. exh. in Expo. Hos.
- Berger Bros. Co., V.,** New Haven, Conn. Surgical supports. V. I. Pal., 1st & 2d Sts. & Av. B.
- Brady & Co.,** George W., Chicago, Ill. Paragon X-Ray plates. Working exhibit in Exposition hospital.
- Bristol Company, The,** Waterbury, Conn. Blood pressure gauges. Mch. Pal., 2d St., cor. Av. D.
- Campbell Electric Co.,** Lynn, Mass. X-Ray & high frequency appts. 3d St., bet. Avs. C & D. Campbell coils—models E, F, H, I, K, and L. SureX Interrupterless transformers; X-ray tubes, vacuum electrodes; time switches; transformers of high and low voltage. The only manufacturers of X-ray apparatus in America to receive an award at the International Red Cross Conference held at Washington, D. C., May, 1912. Register at our booth for free copy of our booklet "Practical Electro Therapeutics."
- Carborundum Company, The,** Niagara Falls, N. Y. Dental equipment. Mch. Pal., 4th St. & Av. H.
- Carnes Artificial Limb Co.,** Kansas City, Mo. Artificial Arms. 3rd St., bet. Avs. C & D.
- Chicago Artificial Limb Co.,** San Francisco, Cal. Artificial Limbs. 3rd St., bet. Avs. C & D.
- Clark Gandion Truss Co.,** San Francisco, Cal. Abdominal supporters and reducers, suspensories; jock straps. 3d St., bet. Avs. C & D.
- Columbus Dental Manufacturing Co., The,** Columbus, Ohio. Interchangeable, artificial teeth for crown and bridge work. Av. D, cor. 3rd St. Steele's Interchangeable Facings; Steele's Interchangeable Posteriors; Bridge-Work Models; Steele's Rugapaks.
- Craig Dental Manufacturing Co., Inc.,** Wilkinsburg, Pa. Bridge tooth and dental accessories. Av. D bet. 9th & 10th Sts.
- Dentists Supply Company, The,** New York, N. Y. Artificial teeth. Av. D, cor. 3rd St.
- DeZeng-Standard Company,** Camden, N. J. 7th St., bet. Avs. C & D. Surgical Diagnostic Equipment; Electrically Lighted Eye, Ear, Nose and Throat Diagnostic Instruments. San Francisco Office, 140 Grant avenue.
- Draeger Oxygen Apparatus Co., The,** Pittsburgh, Pa. Wkg. exh. in Expo. Hospital.
- Electro Bleaching Gas Co.,** Niagara Falls, N. Y. Sterilizing apparatus. Mch. Pal. 2d St. & Av. G2.
- Ellanem Co., The,** New York, N. Y. Heater containing Solidified Alcohol. Mfr. Pal., 7th St., bet. Avs. C & D.
- Foxboro Company, The,** Foxboro, Mass. Medical Thermometer. Mch. Pal., 3rd St. & Ave. C2.
- Gantner & Mattern Co.,** San Francisco, Cal. Abdominal Bands. V. I. Pal., 4th, cor. Av. E.
- General Bakelite Company,** New York, N. Y. Phenol Products. V. I. Pal., Av. A & 4th St.
- General Electric Co.,** Schenectady, N. Y. Mfr. Pal. "Home Electrical." Coolidge X-Ray Tube, Gold-coated Tungsten Wire.
- Hanovia Chemical Co.,** Newark, N. J. Electro-therapeutic lamp. Mch. Pal. 1st St. & Av. D.
- Hardy & Company, F. A.,** Chicago, Ill. Surgical and Aural Instruments. 7th St. bet. Avs. C & D.
- Harvard Co., The,** Canton, O. Dental Equipment. 3rd St., bet. Avs. C & D.
- Horn & Bro., Wm. H.,** Philadelphia, Pa. Surgical goods. 3d St. bet. Avs. C & D.
- Industrial Instrument Co., The,** Foxboro, Mass. Blood Pressure Recorders. Mch. Pal., 3rd St. & Av. C2.
- Johnson & Johnson, New Brunswick, N. J.** Av. C cor. 3d St. Surgical dressings—working exhibit in exposition hospital. San Francisco, office & warehouse, 576 Mission St.
- LIFE SAVING DEVICES COMPANY,** Chicago, Ill. The mine, Min. Pal. Lung-motor.
- Lincoln Rubber Co.,** Akron, Ohio. Rubber gloves. Wkg. Exh. Expo. hospital.
- Marcon Company, The,** Brooklyn, N. Y. Shoe Supplies. 3rd St., bet. Avs. C & D. Arch Supports; Orthopedic Supplies.
- Marks Co., A. A.,** New York, N. Y. Artificial Limbs. 3rd St., bet. Avs. C & D. Invalid Rolling Chairs; Crutches.
- Marland, W. J.,** Oakland, Cal. Collective Exhibit. Mch. Pal., 1st St. & Av. D.
- McDermott Surgical Instrument Co.,** New Orleans, La. Agr. Pal., 10th St. bet. Avs. B & C.
- Meinecke & Co.,** New York, N. Y. Hospital Supplies. Working exh. in Expo. Hospital.
- New York State Hospital Commission,** Albany, N. Y. Hydrotherapeutic Apparatus. Ed. Pal., Av. D cor. 3rd St.
- Ohio Chemical & Mfg. Co., The,** Cleveland, O. Anesthesia equipment. Apparatus for producing general anesthesia. Working exhibit in Exposition Hospital. 19th St., bet. Avs. C & D.
- Presto Electric Co., Inc.,** San Francisco, Cal. Mfr. Pal., 8th St., bet. Avs. B & C.
- Safe-T-Cross Mfg. Co.,** Long Island City, N. Y. Absorbent cotton, lint, etc. Av. D, cor. 8th St.
- Salem Glass Works,** Salem, N. J. Hospital Supplies. Wkg. exh. in Expo. Hospital.
- Scheidel-Western X-Ray Coil Company,** Chicago, Illinois. X-Ray Apparatus; Working exhibit in Exposition Hospital. Apparatus for producing the X-Ray for radiography, fluoroscopy & therapy, with all the working parts, supplies and accessory apparatus.
- Schrader's Son, Inc., A.,** Philadelphia, Pa. Druggists Supplies. Av. C, cor. 3rd St.
- Shelton Electric Co.,** New York, N. Y. Mfr. Pal. General Electric Co. "Home Electrical." Pedestal and Portable Electric Vibrators.
- Smith Co., The,** Topeka, Kan. Trusses. 3d St. bet. Avs. C & D.
- Souchon, Dr. Edmond A.,** New Orleans, La. Anatomical preparations. Agr. Pal., Avs. B & C, bet. 8th & 10th Sts.
- Stevens Inventions Co.,** Philadelphia, Pa. Health Inventions. 3rd St., bet. Avs. C & D. Breathing and Inhaling Outfits. Semi-Automatic Pumps, Sprays, Inhaling and other health outfits for physicians, office and prescription uses. Portable Internal Bath, two sizes.
- Taylor Instrument Cos.,** Rochester, New York. Working exh. in Expo. Hospital, "Tycoos Sphygmanometer."
- Thordarson Elec. Mfg. Co.,** Chicago, Ill. X-Ray Transformer—Pal., 1st & 2nd St. & Av. F

Troeger Mfg. Co., Geo. E., Chicago, Ill. Arch Supports. 10th St., bet. Aves. C & D.
Uprite Mfg. Co., Cincinnati, O. Shoulder braces, etc. 3d St. bet. Aves. C & D.

Victor Electric Co., Chicago, Ill. Hospital Equipment. A working exhibit in Exposition Hospital showing: Victor Bone Surgery Engine; Victor Combistat; Victor Giant Magnet; Victor Electric Centrifuge; Victor Vibrator; Headlamps, etc.; Physicians' No. 2 Portable Faradic Battery, Neiswanger's Magnifying Glass, Victor Electric Centrifuge Dome Protector; their extensive and complete line of X-Ray and Electro-Medical apparatus being on display at their San Francisco branch office, 150 Post Street, W. O. Eddy, B. S., being in charge. Visiting physicians invited.

Westinghouse Electric & Mfg. Co., Pittsburgh, Pa. Electric sterilizers; oxonizers; dental lathes. Machinery Pal., 2nd St. & Av. C.

Williams Medical Battery Co., New York, N. Y. Mch. Pal. 1st St. & Av. D.

Wisard Foot Appliance Co., St. Louis, Mo. Devices for relief of foot troubles. 3rd St., bet. Aves. C & D.

GROUP 36

CHEMICAL AND PHARMACAL ARTS.

Am. Druggists Synd., New York, N. Y. Collective Chemical Drug Exh. Av. D, cor. 8th St.

American Turpentine & Tar Co., New Orleans, La. Agr. Pal. 10th St. bet. Aves. B & C.

Anti-Uric Co., San Francisco, Cal. Patent Medicines. 8th & 9th Sts., bet. Aves. C & D.

Aseptic Products Co., Long Island City, N. Y. Chemical and pharmaceutical arts. Av. D, cor. 8th St.

Avigdar & Eastonoff, San Francisco, Cal. Perfumes. Agr. Pal. Spanish Section.

Baker & Co., J. T., Phillipsburg, N. J. Chemicals. Min. Pal. 5th & 6th Sts. bet. Aves. A & B.

Barrett Mfg. Co., Philadelphia, Pa. Coal tar chemicals, solvents. Min. Pal., Av. D & 7th St.

Bennett Co., E. W., San Francisco, Cal. Metal Polish. Working Exh. in Expo. Hospital.

Braun, F. W., Los Angeles, Cal. Laboratory equipment. Min. Pal., Aves. A & B, 5th & 6th Sts.

Buffalo Specialty Co., Buffalo, N. Y. Liquid Veneer. Mfr. Pal., 5th St., cor. Av. B.

Bush Specialty Company, Buffalo, N. Y. Glove and clothes cleaner. Fd. Pr. Pal. Av. A, bet. 3d & 4th Sts.

Caire Co., Justinian, S. F. Lab. Equipment. Fd. Pr. Pal., 2nd & 3rd Sts. & Aves. C & D.

California Citrus Cream, Laughlin Fruit Refining Co., Los Angeles, Cal. 9th & 10th Sts., bet. Aves. C & D.

California Ink Co., Oakland, Cal. Printing Ink. V. I. Pal., 2nd St. bet. Aves. A & B.

California Nut Products Company, West Berkeley, Cal. Almond oil. Hor. Pal. Section 13.

California Perfume Co., New York, N. Y. Toilet Requisites. 10th St., bet. Aves. C & D.

Channell Chemical Co., Chicago, Ill. O-Cedar Products. 8th & 9th Sts.

Chirle Co., Antoine, New York, N. Y. Essential oils and caps—viscose. 10th St. bet. Aves. C & D.

Clark-Gandion Truss Co., San Francisco, Cal. "C-G" obesity reducer and supporter. "C-G" sanitary suspensory. "C-G" jock strap. 3d St. nr. "D."

Clements Mfg. Co., Chicago, Ill. Furniture polish. Mfr. Pal. 6th St. bet. Aves. C & D.

Conway, Jessie B., L. A., Cal. Plasters. 10th St., bet. Aves. C & D. Dr. Conway's M. D. Plasters.

Co-Operative Metallurgical Ex. U. S. Bureau Mines & Following Cos. Min. Pal. 5th & 7th Sts. bet. Aves. A & B. S. F. station bureau mines. F & H. Cooling & Gas washing tower; model chamber acid system; chemical laboratory apparatus; research laboratory apparatus.

Denny-Hilborn & Rosenback, Philadelphia, Pa. Stamping Inks. Mch. Pal., 5th St., cor. Av. A.

Diamond L Mfg. Co., Oakland, Cal. Silver Paste. V. I. Pal. Av. A & 2d St.

Drucker Co., August E., San Francisco, Cal. Tooth Powder. 9th St., bet. Aves. C & D. Drucker's Revelation Tooth Powder.

Eagle Printing Ink Co., New York, N. Y. Ink. V. I. Pal., Av. A & 4th St.

Electrical Heating Apparatus Co., New York, N. Y. Electric hot plate. Min. Pal. 5th & 6th Sts. bet. Aves. A & B.

Emerson Drug Co., Baltimore, Md. Bromo-Seltzer. Av. D, bet. 9th & 10th Sts.

Fitch Co., The, F. W., Boone, Ia. Toilet Preparations. Cor. Av. D & 9th St.

General Bakelite Company, New York, N. Y. Bakelite. V. I. Pal. Av. A & 4th St.

General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Vacuum and Gas-filled Lamps, Vacuum Furnace, Miscellaneous Laboratory Apparatus, Production and Purification of Argon and Nitrogen.

Graton & Knight Mfg. Co., Worcester, Mass. Belt Cement and Dressing. Palace of Machinery, 2nd St. & Av. H.

Hitt Fireworks Co., Seattle, Wash. Fireworks. Min. Pal., 7th St. bet. Aves. B & C. Yacht Harbor.

Hoffman Company, The George Wm., Indianapolis, Ind. Metal Polishes. 9th St. bet. Aves. C & D.

International Acheson Graphite Co., Niagara Falls, N. Y. Min. Pal. Av. C bet. 4th & 5th Sts.

Jefferson Distilling & Denaturing Co., New Orleans, La. Alcohol. Agr. Pal. 10th St. bet. Aves. B & C.

Katz & Besthoff, New Orleans, La. Toilet articles. Agr. Palace, 10th St. bet. Aves. B & C.

Kelly Filter Press Co., The, Salt Lake City, Utah. Filter Press. Mch. Pal., 3d St. & Av. G2.

Koken Barbers' Supply Company, St. Louis, Mo. Mfr. Pal., 6th St., bet. Aves. A & B.

La Valliere Co., The, New Orleans, La. Perfumes and toilet specialties. Agr. Pal. 10th St. bet. Aves. B & C.

Leroy's Perfumes, San Diego, Cal. Perfumes. Hor. Pal., Section 13.

Levey Co., Fred'k H., New York, N. Y. Printing Inks. Mch. Pal., 5th St., cor. Av. A.

Los Angeles Soap Company, Los Angeles, Cal. Soaps. Agr. Pal., 7th & 8th Sts., bet. B & C.

- Lyons & Co., I. L., New Orleans, La.** Pharmaceuticals. Agr. Pal. 10th St. bet. Avs. B & C.
- Mayer & Co., Robert, New York, N. Y.** Inks. Mch. Pal., 5th St., cor. Av. A. Lithographing inks, bronzing machines, parks lithographic hand presses, lithographic machinery.
- McMichael, R. F., Seattle, Wash.** Method of determining viscosity of liquids. Govt. Sec.
- Merck & Co., New York, N. Y.** Chemicals. Min. Pal., 5th & 6th Sts., bet. Avs. A & B.
- Meriwether, C. E., Louisiana, La.** Alcohol distillation. Agr. Pal., Avs. B & C, bet. 8th, 9th & 10th Sts.
- Myrlite Co. of America, Pownal, Vermont.** Soap. Mfr. Pal., 7th & 8th Sts. & Av. B.
- Orion Laboratories Co., Long Island City, N. Y.** Chemical and Pharmaceutical Arts. Av. D, cor. 8th St.
- Orona Mfg. Co., Boston, Mass.** Orona cleaning products. Mfr. Pal., 6th St. Av. D & 7th St.
- O-So-Ezy Mop Co., Detroit, Mich.** Cedar oil polish. Mfr. Pal., 7th St. Cor. Av. D.
- Owl Drug Co., Inc., The, San Francisco, Cal.** Products for prescriptions. Av. D & 7th St.
- Pacific Ammonia Bottling Co., San Francisco, Cal.** Greer's Washing Ammonia. Pd. Pr. Pal., 6th St., bet. Avs. A & B.
- Pacific Ammonia & Chemical Co., Seattle, Wash.** Liquid Anhydrous Ammonia. Agr. Pal., 6th St. bet. Avs. A & B.
- Pacific Pine Needle Co., Oakland, Cal.** Pharmaceutical Products. Agr. Pal., 7th & 8th Sts. bet. Avs. B & C.
- Penick & Co., S. B., Marion, N. C.** Crude drugs. 7th & 8th Sts., bet. Avs. C & D.
- Pine Products Co., New Orleans, La.** Pine products. Agr. Pal. 10th St. bet. Avs. B & C.
- Pitman-Moore Co., Indianapolis, Ind.** Biological Products. Lv. St. Pal.
- Plapao Laboratories, Inc., St. Louis, Mo.** Apparatus for hernia. 3d St., bet. Avs. C & D.
- Primos Chemical Co., Primos, Pa.** Working exhibit in mine. Molybdenum, Vanadium, Tungsten. 4th St. bet. Avs. A & B.
- Radium Therapy Corporation, New York, N. Y.** Radio-Rem outfits. Av. C cor. 9th St. Porous terra-cotta rods and tablets for charging water with radium emanation to produce radio-active mineral waters of uniform strength, for treating gout and rheumatism. Radio-Rem charges water in the same way as the natural radio active springs are charged by contact with radium minerals. Chemical and pharmaceutical arts. Schieffelin & Company, New York, distributors.
- Reed Company, Geo. Russell, San Francisco, Cal.** Printers' Inks & Supplies. Mch. Pal., 5th St. cor. Av. A. Collective exhibit of Printers' Inks; Photo Engravers' Machinery Supplies.
- Rieger & Co., Paul, San Francisco, Cal.** Perfumes, Extracts, etc. Av. C. 8th and 9th Sts.
- Roessler & Hasselacher Chemical Company, Perth Amboy, N. J.** Chemicals. Min. Pal., 7th St. & Avs. A & B.
- Rosen Toilet Co., San Francisco, Cal.** Toilet Specialties. 9th St., bet. Avs. C & D.
- Rusknot Co., The, Oakland, Cal.** Rust prevention for machinery & tools. Mch. Pal. 1st St. & Av. D.
- Ryan, Walter D'Arcy, Schenectady, N. Y.** Fireless Fireworks. Expo. Grounds.
- Safe-T-Cross Mfg. Co., Long Island, N. Y.** Chemicals. Av. D cor. 8th St.
- S. F. Station of Bureau of Mines.** Chemical laboratory apparatus. Min. Pal. 5th & 6th Sts. bet. Avs. A & B.
- Sanitol Chemical Laboratory Co., St. Louis, Mo.** Sanitol Tooth Powder and Sanitol Toilet Preparations. 8th & 9th Sts. bet. Avs. C & D.
- Solax Chemical Co., Long Island City, N. Y.** Chemical and pharmaceutical arts. Av. D, cor. 8th St.
- Solvay Process Co., The, Syracuse, N. Y.** Alkali Products. Av. D, 8th and 9th Sts.
- Standard Oil Co. of New York, San Francisco, Cal.** Candles. Min. Pal., Av. C bet. 6th & 7th Sts. Candles for Banquet, Coach, Domestic, Christmas, Church, Mining, Paraffine Wax for sealing.
- Stern, Joe, Butte, Mont.** Toilet Preparations. 9th St., bet. Avs. C & D.
- Stumpf's Sons, J. F., Algiers, La.** Insecticides. Agr. Pal. 10th St. bet. Avs. B & C.
- Sweetser, L. H., New York, N. Y.; San Francisco, Cal.** Polish. 9th St., bet. Avs. C & D.
- Texas Oil Co., New Orleans, La.** Refined petroleum. Agr. Pal. 10th St. bet. Avs. B & C.
- Thordarson Electric Mfg. Co., Chicago, Ill.** Mch. Pal. 1st & 2d Sts. & Av. D.
- Union Oil Company of California, San Francisco, Cal.** Asphalt Products. Min. Pal., 6th St. & Av. B. Asphalt for coating patent leather.
- Union Sulphur Co., Sulphur, La.** Sulphur. Agr. Pal. 10th St. bet. Avs. B & C.
- U. S. Gutta Percha Paint Co., Providence, R. I.** Rice's Mill White. V. I. Pal. 3d St., Av. E & 4th St.
- Vermilax Company, Inc., New York, N. Y.** Dog Remedies. Av. D, cor. 8th St. Dog Remedies and accessories. Headquarters for Dog Fanatics.
- Vogue Perfume Co., Long Island City, N. Y.** Chemical and pharmaceutical arts. Av. D, cor. 8th St.
- West Coast Soap Co., Oakland, Cal.** Soaps. Agr. Pal., 7th & 8th Sts., bet. Avs. B & C.
- West Disinfecting Co., New York, N. Y.** Disinfectants; Insecticides. Av. C, cor. 10th St.
- Western Carbonic Gas Co., Agnew, Cal.** Carbonic Gas. 8th & 9th Sts., bet. Avs. C & D.
- Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa.** Glue Pots, Glue Cookers. Mfr. Pal., 2nd St. and Av. C2.
- Willett, Walter M., San Francisco, Cal.** Camelline, etc. 8th & 9th Sts., bet. Avs. C & D.
- Wizard Products Co., Chicago, Ill.** Floor & Furniture oils. Mfr. Pal., 8th St. & Av. D.
- Woolner Distilling Co., The, Peoria, Ill.** Acids, etc. Agr. Pal. 4th & 5th Sts. & Av. D.

GROUP 37

MUSICAL INSTRUMENTS.

- American Electrolite, Philadelphia, Pa., & N.Y.** Musical Instruments. 5th St. & Av. A.

American Graphophone Co., New York, N. Y. Talking Machines. Av. D, bet. 4th & 5th Sts. Grafonolas, Talking Machines, Graphophones, Records, Record Cabinets, Accessories.

American Piano Company, New York, N. Y. Mfr. Pal. General Electric Co. "Home Electrical." Electric Player Piano.

Am. Steel & Wire Co., Chicago. Music wire. U. S. Steel Corp'n Col. Ex., Min. Pal.

Austin Organ Company, Hartford, Conn. Pipe Organs. Large pipe organ, in Festival Hall, as working exhibit. Local representative, R. F. Tilton, 135 Kearny St., San Francisco.

Automatic Machine & Tool Co., Chicago, Ill. Gabels Automatic Entertainer. 6th St., bet. Avs. C & D.

Autopiano Co., The, New York City, U. S. A. 5th St. & Av. A. Player Pianos, Uprights, Grand, Electric, Solo-style Music Rolls. Selected as the official musical instrument of these buildings: California, Iowa, Kansas, Louisiana, Mississippi, New Jersey, New York, Nevada, North Dakota, Oklahoma, Oregon, Texas, Utah, Virginia, Washington, West Virginia, Wisconsin and Philippines.

Autopneumatic Action Co., New York, N. Y. Musical Instruments. 5th St. & Av. A.

Cable Co., Chicago, Ill. Piano player parts. Min. Pal., 7th St., bet. Avs. D & E.

Cary & Son, E. H., Stockton, Cal. Drums & accessories. 4th St., bet. Avs. C & D.

Cheney Talking Machine Co., Chicago, Ill. Tlkz. mechs. 4th & 5th Sts., bet. Avs. C & D.

Chickering & Sons, Boston, Mass. Musical Instruments. 5th St. & Av. A.

Columbia Graphophone Co., New York, N. Y. Talking machines. Av. D, 4th & 5th Sts. Grafonolas, Talking Machines, Graphophones, Records, Record Cabinets, Accessories.

Conn, Inc., C. G., Elkhart, Ind. Band and Orchestra Instruments. Av. C, cor. 4th St.

Consoli, F., Brooklyn, N. Y. Violins. 4th St. bet. Avs. C & D. Manufactures all string instruments, the invention of the finger-board correspond for each and every one there in regulation with mathematic rules; of their musical composition, the facility of the study is the nature of the instrument. 682 Union St., Brooklyn, N. Y.

Edison Talking Machine Co., Orange, N. J. Talking Machines. Av. A & 5th St.

Eilers Music House, Portland, Ore. Collective exhibit. 5th St. & Av. A.

Galleazzi, J., San Francisco, Cal. Musical Reed Instruments. 4th St., bet. Avs. C & D.

Guerrini & Co., San Francisco, Cal. Accordions. 10th St., bet. Avs. C & D.

Hall Organ Company, The, New Haven, Conn. Pipe Organ. V. I. Pal., Av. B, 1st & 2nd Sts.

Herzog Art Furniture Co., Saginaw, Mich. Music Cabinets. 5th St. & Av. A.

Kauth & Benning, Hamilton, O. Racks for holding music. Ed. Pal., Av. D & 5th St.

Kimball Co., W. W., Chicago, Ill. Musical Instruments. 5th St. & Av. A.

Kinetic Engineering Co., Chicago, Ill. Organ Blowers. U. S. Steel Corp'n Col. Ex., Min. Pal.

Kumaleo, Jonah, Honolulu, H. I. Hawaiian Ukuleles and Curios. 4th St., bet. Avs. C & D.

Marshall & Wendell Piano Co., East Rochester, N. Y. Pianos and Player Pianos. Flexotone Soloist Device for Individual Expression of Unlimited Variety and Power by Extremely Simple Manipulation. 5th St. & Av. A.

Martin Band Instrument Co., Elkhart, Ind. Band Instruments. 4th St., bet. Avs. C & D.

Masteroll Perforating Co., San Francisco, Cal. Musical Instruments. 5th St. & Av. A.

Mauzy, Byron, San Francisco, Cal. Pianos. Av. D, bet. 9th & 10th Sts.

Organ Power Co., The, Hartford, Conn. Two 20-h. p. 3-pressure 7-stage "Orgoblos" installed on Austin Pipe Organ, Festival Hall.

Parker & Co., Ohas., Meriden, Conn. Musical Instruments. 5th St. & Av. A.

Peerless Piano Player Co., St. Johnsville, N.Y. Musical Instruments. 5th St. & Av. A.

Pole, John J., Geneva, New York. Musical instruments. Ed. Pal., 5th St. & Av. D.

Sonora Phonograph Corporation, San Francisco, Cal. Phonographs and Accessories. Av. D, cor. 4th St.

Standard Felt Company, West Alhambra, Cal. Piano hammers. V. I. Pal., 2nd St., bet. Avs. D & E.

Steinway & Sons, New York, N. Y. Pianos. U. S. Steel Corp'n Col. Ex., Min. Pal.

U. S. Steel Corp'n & Subsidiary Cos., New York. Collective Iron & Steel Exhibit. Mines Palace.

Vanoscope Co., Chicago, Ill. Phonographs. Av. D, opp. 2nd St.

Victor Talking Machine Company, Camden, New Jersey. Talking Machines. Av. C, 4th & 5th Sts. Manufacturers of the Victor, the Victrola and Victor Records. Concert morning and afternoon.

Welts & Sons, M., New York, N. Y. Welts Cabinet Player. Min. Pal., Av. D & 7th St.

Wessell, Nickel & Gross, New York, N. Y. Piano Actions. Av. D & 10th St. Manufacturers of Piano Actions and Hammers. Highest grade standard of the world. One grade only. Highest awards at World's Columbian Exposition at Chicago, 1892, and Pan-American Exposition at Buffalo, 1901. Wessell, Nickel & Gross, established since 1875. Incorporated 1890. Officers: Fernando A. Wessel, president; Arthur L. Wessell, vice-president; Henry A. Nickel, treasurer; Charles Muhlenfels, secretary. New York City office, 10th Av. & 45th St.

Weyman & Son, H. A., Inc., Philadelphia, Pa. Manufacturers and inventors of Weyman mandolines, banjo-mandolins with tone amplifiers, and other stringed musical instruments. Av. D & 10th St.

Wurlitzer Co., Rudolph, Cincinnati, O. Pianos. U. S. Steel Corp'n Col. Ex., Min. Pal.

GROUP 38

THEATRICAL APPLIANCES AND EQUIPMENT

Andrews Co., The A. H., Chicago, Ill. Opera Chairs. Ed. Pal., N. E. cor. & End Av. B.

Gantner & Mattern Co., San Francisco, Cal. Theatrical Tights. V. I. Pal., 4th St. cor. Av. E.

General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Projectors, Mazda Lamps. See Scintillators used in Exposition Illumination.

Heywood Bros. & Wakefield Co., New York, N. Y. Opera Chairs. Working exhibit Festival Hall.

Lopez Artists, The, Stockton, Cal. Decorative Scenery. Agr. Pal., Av. D & 9th St.
 Wisconsin Seating Co., New London, Wis. Theatre Chairs. 10th St. at E. Ent. No. 7.

GROUP 39

ELECTRICAL METHODS OF COMMUNICATION.

Aero Fire Alarm Co., Seattle, Wash. Fire Alarm Equip. 10th St., at Entr. No. 7.
 American Telegraph Co., Springfield, Mass. Telegraph. 6th St., bet. Aves. C and D.
 American Telephone & Telegraph Co., New York, N. Y. Av. C, 7th & 8th Sts.
 Anania Electrical Co., The, Ansonia, Conn. Bells, Buzzers, etc. V. I. Pal., Av. A, cor. 3rd St.
 Central Telephone & Electric Co., St. Louis, Mo., U. S. A. Electric Lanterns and Telephones. Mch. Pal., 1st St. & Av. D.
 De Forest Radio Tel. & Tel. Co., New York. Av. D, cor. 1st Street.
 Dictaphone, The, Columbia Graphophone Company, New York. The ideal amanuensis. Direct method of dictation. Official Dictation Machine Panama-Pacific International Exposition Company and is the only dictation machine employed in dictating and transcribing the correspondence of the Exposition.
 Dwyer Wireless Tel. & Tel. Co., San Francisco, Cal. 3rd St., bet. Aves. C & D.
 Edison, Thos. A., Inc., Orange, N. J. Tele-scribe. Trns. Pal., Auto Sec.
 Edwards & Co., Inc., New York, N. Y. Fire Alarm Equip. Mfr. Pal., 8th St. & Av. C.
 Gem Ear Phone Co., New York, N. Y. Devices for deaf. 6th St., bet. Aves. C & D.
 General Acoustic Co., New York, N. Y. Turner Interconversing System. Wkg. Exh. in Lib. Arts Dept. Offices.
 General Acoustic Co., New York, N. Y. Devices for deaf. Av. D and 8th St.
 General Electric Co., Schenectady, N. Y. Trns. Pal., Av. C cor. 2nd St. Electric Rly. Signal Apparatus. Tungsten Contacts, Mfr. Pal.
 Globe Ear Phone Co., Boston Massachusetts. Aids for deaf. 7th St., bet. Aves. C & D. Church and Theatre Ear-Phones. Secret phones for Detective use. Announcing Phone Systems.
 Gray Telephone Pay Station Co., The, Hartford, Conn. Mfr. Pal., 8th St. & Av. C.
 International Acheson Graphite Co., Niagara Falls, N. Y. Min. Pal., Av. C, bet. 4th & 5th Sts.
 Pierson Transmitter Telegraph Co., Topeka, Kansas. Telegraph Transmitter Instruments. 7th St., bet. Aves. C & D.
 Standard Underground Cable Co., Pittsburgh, Pa. Tel. Wires. Mch. Pal., 3rd St. & Av. D.
 Star Electric Co., Binghamton, N. Y. Fire Alarm and Police Tel. Av. C, cor. 10th St. Working Exhibit Exp. Grounds.
 Western Electric Co., New York, N. Y. Telephone apparatus. Mfr. Pal., 5th St., bet. Aves. B & C.
 Western Union Telegraph Co., New York, N. Y. Telegraph. Av. C cor. 7th St.

GROUP 40

CIVIL AND MILITARY ENGINEERING.

Am. Bridge Co., Pittsburgh, Pa. Photos of tanks. U. S. Steel Corp's Col. Exh. Min. Pal.

American Rolling Mill Co., Middletown, O. Min. Pal., 7th St., bet. Aves. C & B. Rust-resisting Armco Pure Iron Roofing. Metal Lath, Terne Plate and Formed Products.

Armco Iron Culvert Mfrs. Ass'n., Middletown, Ohio. Min. Pal., 7th St., bet. Aves. C & D. Cast iron slide.

Association of the American Portland Cement Mfrs., N. Y. Min. Pal., Av. C, bet. 4th & 5th Sts.

Austin-Western Road Machinery Co., Chicago, Ill. Road making machinery. Mch. Pal., 4th & 5th Sts., Aves. B & C. Canal and levee making machinery. Railroad construction machinery. Ore and rock crushing and handling machinery. Street cleaning machinery.

Bacon Co., Edw. E., San Francisco. Coll. Exh. Mch. Pal., 4th & 5th Sts., Avs. C & C2.

Baker Manufacturing Co., Springfield, Ill. Machinery. Mch. Pal., 4th & 5th Sts., Avs. C & C2.

Barber Asphalt Paving Co., Philadelphia, Pa. Road Rollers. Mch. Pal., 5th St. & Av. I.

Barrett Mfg. Co., New York, N. Y. Bldg. Mat., Roads, Waterproofing. Min. Pal., Av. D & 7th St.

Bartlett & Snow Co., C. O., Cincinnati, O. Garbage & Refuse Disposal Plant. Wkg. exh. Exposition Grounds.

Best Gas Traction Co., C. L., Oakland, Cal. Gas Traction Engines, self-laying gas tractors, one 30-horse power track layer traction engine, one 70-horse power field track layer, one 70-horse power round wheel track layer. Agr. Pal., Av. B & 2nd St.

Best Steel Casting Co., Elmhurst, Cal. Concraves for Rock Crushers. Agr. Pal., Av. A, bet. 3rd & 4th Sts.

Biegett Machine Works, J. C., Seattle, Wash. Builders Hoist. Mch. Pal., 5th St. & Av. C.

Bill & Jacobsen, San Francisco, Cal. Fd. Fr. Pal., Av. A, bet. 4th & 5th Sts.

Bonny Supply Co., The, Rochester, N. Y. Rapid loader for dump wagons. Mch. Pal., 4th St. & Av. D.

Bradshaw Sanitary Garbage Chute, S. F., Cal. Sanitary Garbage Storage. Fd. Fr. Pal., Av. A, 2nd & 3rd Sts.

Buffalo Steam Roller Co., Buffalo, N. Y. Road Rollers. Wkg. exh. on Expo. Grounds and Mch. Pal., Av. A, cor. 4th St.

California State Highway Commission, Sacramento, Cal. Av. D, opp. 7th St.

Carnegie Steel Co., Pittsburgh, Pa. Steel Sheet Piling and uses. U. S. Steel Corp's Col. Exh., Min. Pal.

Chain Belt Co., Milwaukee, Wis. Concrete Mixers. Mch. Pal., 4th St., bet. Aves. C & D.

C.H. & E. Mfg. Co., Inc., Milwaukee, Wis. Contractors' Equip. Mch. Pal., 5th, bet. H & I.

Concrete Appliance Co., Los Angeles, Cal. Concrete Mixers. Mch. Pal., 5th St. & Av. I.

Economy Engineering Co., Chicago, Ill. Elevators. Portable Standard and Special Designs. Mfr. Pal., Av. H, bet. 3rd & 4th Sts.

Eric Machine Shops, Erie, Pa. Tandem Steam Rollers. Mch. Pal., 4th St. & Av. C2.

Farquhar Co., Ltd., A. B., York, Pa. Steam traction engine. Agr. Pal., Av. A, bet. 2nd & 3rd Sts.

Footo Mfg. Co., Nunda, N. Y. Road machinery and equipment. Mch. Pal., 4th & 5th Sts., bet. Aves. C & C2.

- Galion Iron Works & Mfg. Company, Galion.** O. Road machinery and equipment. Corrugated pipe. Mch. Pal., 4th & 5th Sts., bet. Avs. C & C2.
- General Electric Co., Schenectady, N. Y.** Mfr. Pal. "Home Electrical." Searchlights. See Scintillators used in Illumination of P-P. I. Exposition.
- Glide Road Machine Co., Minneapolis, Minn.** Road graders. Mch. Pal., 4th St. & Av. D.
- Graves-Spears Road Mch. Co., Oakland, Cal.** Coll. exh. Mch. Pal., Av. A, cor. 4th St.
- Harron, Richard & McCone, San Francisco.** Cal. Coll. Exh. Mch. Pal., 4th & 5th, Avs. G & H.
- Haynes, M., Oakland, Cal.** Road Mach. Mch. Pal., 4th & 5th Sts., Avs. C & C2.
- Headley Good Roads Co., Philadelphia, Pa.** Road Machinery. Mch. Pal., 4th St. & Av. D.
- Holt Manufacturing Co., Stockton, Cal.** One 18-horsepower Caterpillar tractor; one 45-horsepower Caterpillar tractor; one 75-horsepower Caterpillar tractor; two Caterpillar trailer wagons. Agr. Pal., Avs. A & B bet. 4th & 6th Sts.
- Hvass & Co., Ohas., New York, N. Y.** Road Oilers & Sweepers. Mch. Pal., 4th St. & Av. D.
- International Harvester Co.'s Exhibit.** Equipment and methods for the construction and maintenance of roads, streets, highways, etc. Agr. Pal., 4th St., bet. Avs. B & C. Oil Tractors for road work. 4th St., bet. Avs. A & B.
- Iroquois Iron Works, Buffalo, N. Y.** Road Rollers. Parrott and Company, San Francisco, Cal., Representative. See ad on front cover of Machinery catalog.
- Jaeger Machine Co., The, Columbus, O.** Road machinery and equipment. Mch. Pal., 4th & 5th Sts., bet. Avs. C & C2.
- Kelly Springfield Road Roller Co. The, Springfield, O.** Mch. Pal., 4th St. & Av. D.
- Koehring Machine Co., Milwaukee, Wis.** Manufacturers. Mch. Pal., 4th St., bet. Avs. F&G. Koehring Concrete Mixer. Koehring Paving Mixer. Koehring Hot Mixer.
- MacLeod Co., The, Cincinnati, O.** Incinerators. Mch. Pal., 1st St. & Avs. H & I.
- Marland, W. J., Oakland, Cal.** Collective Exhibit. Mch. Pal., 1st St. & Av. D.
- Massachusetts State Highway Commission, Boston, Mass.** Photographs. Agr. Pal., 10th St., bet. Avs. B & C.
- McKiernan-Terry Drill Co., New York, N. Y.** Pile driving hammer. U. S. Steel Corp'n Coll. Ex., Min. Pal.
- Meese & Gottfried Co., San Francisco, Cal.** Coll. Exh. Mch. Pal., 2d & 3d, Avs. H & I.
- Merritt Hydraulic Co., Philadelphia, Pa.** Sewage Pumping. Mch. Pal., 1st St. & Av. D. U. S. Steel Corp'n Coll. Ex., Min. Pal.
- Municipal Engineering & Contracting Co., Chicago, Ill.** Road making machinery. Mch. Pal., 3rd St., cor. Av. B.
- National Incinerator Co., The, New York.** N. Y. Incinerator. Pd. Pr. Pal., 4th St., bet. Avs. D & E.
- National Tube Co., Pittsburgh, Pa.** Kalamined Tubing. U. S. Steel Corp'n Coll. Ex., Min. Pal.
- Ohio Road Machinery Co., The, Oberlin, O.** Road mch. Mch. Pal., Av. A, cor. 4th St.
- Olney, A. S., Oakland, Cal.** Concrete Mixer. Mch. Pal., 1st St. & Av. H.
- Olsen Testing Machine Co., Phil., Pa.** Testing Mch. & Ins. Mch. Pal., 3rd St. & Av. E.
- Otis Elevator Co., N. Y.** Passenger elevators & equip. Mch. Pal., 1st St. & Avs. F & G.
- Pacific Tank & Pipe Co., San Francisco, Cal.** Wood Caissons, Tanks, Pipe; Sewers for city sanitation. Min. Pal., 6th St., bet. Avs. A & B.
- Parrott & Co., San Francisco, Cal.** Collective Exhibit. Mch. Pal., 4th & 5th Sts. & Av. I.
- Patent Scaffolding Co., The, New York, N. Y.** Building Scaffolds. Mch. Pal., 5th St. & Av. H.
- Pawling & Harnischfeger Co., Milwaukee, Wis.** Traction tamper and equipment. Mch. Pal., 4th & 5th Sts. & Av. C2.
- Pittsburgh, Des Moines Steel Co., Pittsburgh, Pa.** Water Storage Tanks. Mch. Pal., 5th St. & Av. E.
- Power & Mining Machinery Co., Cudahy, Wis.** Concrete Mixer. Mch. Pal., Av. A, cor. 4th.
- Russell Grader Manufacturing Co., Inc., Minneapolis, Minn.** Road Machinery. Mch. Pal., cor. Av. I & 4th St. Parrott & Co., San Francisco, Cal., Representatives. See ad on front cover of Machinery catalog.
- Sanitary Street Sweeping Co., San Francisco, Cal.** Street Sweepers. Working Exhibit on Exposition Grounds.
- Schrader's Sons, Inc., A., Philadelphia, Pa.** Submarine Armor and Diving Apparatus. Av. C, cor. 3rd St.
- Sharp, F. P., Oakland, Cal.** Water main tapping machine. Mch. Pal., 2nd St. & Av. H.
- Shore Instrument & Mfg. Co., New York, N. Y.** Methods of testing materials. Mch. Pal., 5th St., bet. Avs. A & B.
- Simonds Machinery Co., S. F., Cal.** Collective Exhibit. Mch. Pal., 1st & 2nd Sts. & Av. E.
- Smith Co., The T. L., Milwaukee, Wis.** Contractors' Equip. Mch. Pal., Av. I, bet. 4th & 5th Sts.
- Smith & Sons Mfg. Co., The, Kansas City, Mo.** Road Bldg., Road Mch. Mch. Pal., Av. A, cor. 4th St.
- Sterling Wheelbarrow Co., The, West Allis, Wis.** Contractors' Material. Mch. Pal., Av. G, bet. 4th & 5th Sts.
- Sturtevant Mill Co., Boston, Mass.** Contractors' Material. Mch. Pal., 5th, bet. Avs. F&G.
- Universal Crusher Co., Cedar Rapids, Ia.** Contractors' Material. Mch. Pal., 4th & 5th Sts. & Avs. C & C2.
- U. S. Steel Corp'n & Subsidiary Cos., New York.** Collective Iron & Steel Exhibit. Mines Palace.
- Waterloo Cement Corp'n., Waterloo, Ia.** Contractors' Mch. Mch. Pal., 4th St. & Av. D.
- Weber Subterranean Pump Co., New York, N. Y.** Sewage Pumps. Mch. Pal., cor. 1st St. & Av. C2.
- Western Pipe & Steel Co., San Francisco, Cal.** Metal Culvert. U. S. Steel Corp'n Coll. Ex., Min. Pal.
- Wood & Co., R. D., Philadelphia, Pa.** Water Works Equipment. Mch. Pal., So. Entrance.
- Young Machinery Co., A. L., San F.** Collective Exh. Mch. Pal., 4th St.
- Yuba Construction Co., The, Mary** Gas Engine Tractor. Agr. Pal., Av. C.

GROUP 41

MODELS, PLANS AND DESIGNS FOR
PUBLIC WORKS

- Alameda County, Alameda County, Cal.** Road Construction Materials. Mch. Pal., 1st St. & Ave. H.
- Armco Iron Culvert Manufacturers Association, Middletown, Ohio.** Corrugated Armco Iron Culverts. Mch. Pal., 7th St., bet. Aves. C & D. Automatic Flood Gates. Pressure Head Gates.
- Am. Bridge Co., Pittsburgh, Pa.** Subway Photos. U. S. Steel Corp'n Col. Ex., Min. Pal.
- Baker Mfg. Co., Springfield, Ill.** Street cleaning mch. Mch. Pal., 4th & 5th, bet. C & D.
- Barrett Mfg. Co., New York, N. Y.** Tarvia Roads. Coal Tar Pitch Fillers. Min. Pal., Av. D & 7th St.
- City of Baltimore Harbor Board, Baltimore, Md.** Model showing dredged channel. Ed. Pal., Av. C & 2nd St.
- Concrete Form Co., Syracuse, N. Y.** Model of Culvert. Min. Pal., Av. C bet. 4th & 5th Sts.
- Dept. of Public Highways of La.** Road Making Exh. Agr. Pal., 10th St., bet. Aves B & C.
- Jensen, E. V., Portland, Ore.** Reproduction of Columbia River. North of Oregon Bldg.
- Modesto Chamber of Commerce, Modesto, Cal.** Irrig. Dam. Av. D, bet. 6th & 7th Sts.
- New York, City of, New York, N. Y.** Models of Bridges. City of New York Bldg.
- New York State, Eng. & Surv. of, Albany, N. Y.** Models of locks, dams, etc. Av. D & 5th St.
- Panama Canal Exhibition Co., The, Chicago, Ill.** Working exhibit in "Zone."
- Pennsylvania Steel Co., The, Steelton, Pa.** Railroad Supplies. S. 1st St. Bridges, Viaducts, Steel Buildings. See Exhibit in Transportation and Mines Palaces.
- Bush, Allen C., Los Angeles, Cal.** Model of Suspension Bridge. Av. D cor. 5th St.
- U. S. Steel Corp'n & Subsidiary Cos., New York.** Collective Iron & Steel Exhibit. Mines Palace.
- Wood & Co., E. D., Philadelphia, Pa.** Cast Iron Pipe for Culverts. Mch. Pal., 3rd St. & Av. H.

GROUP 42

ARCHITECTURE.

- Cantin, Alexander A., San Francisco, Cal.** Drawings. Court of Universe Blvd., Av. A.
- Durand, Theodora M., San Francisco, Cal.** Architectural Paintings. So. East Wall.

- Eastman Kodak Co., Rochester, N. Y.** Italian Architecture. Av. D cor. 5th St.
- Ford Motor Co., Detroit, Mich.** Working model of factory. Min. Pal., Av. D & 3rd St.
- Herter Looms, The, New York, N. Y.** Booth construction. V. I. Pal., Av. C & 3rd St.
- Methodist Book Concern, The, New York, N. Y.** Exhibit booth or bungalow. Cor. Av. C & 1st St.
- New York, City of, New York, N. Y.** Municipal Building and Bridge Exhibit, City of New York Bldg.
- Peterson, Mrs. Clark K., San Francisco, Cal.** Architectural Details. Court of the Universe Blvd.
- Ruby, Edna Browning, Lafayette, Ind.** Designs—Industrial Art Exhibit. V. I. Pal., 1st St. bet. Aves. B & C.
- Senn, Edmund, San Francisco, Cal.** Artistic Architectural Details. Av. D, bet. 3rd & 4th Sts.
- Shover, Lucy M., Indianapolis, Ind.** Window Designs. V. I. Pal., 1st St., bet. Av. B & C.
- Shover, Edna Mann, Indianapolis, Ind.** Window Designs. V. I. Pal., 1st St., bet. Aves. B & C.
- Walker & Weeks, Cleveland, O.** Booth construction for Warner & Swasey Co. 8th St. & Av. C.

GROUP 43

ARCHITECTURAL ENGINEERING.

- Barrett Mfg. Co., New York, N. Y.** Barrett Specification Roofs, Floors. Min. Pal., Av. D & 7th St.
- Broadway Park Place Co., New York, N. Y.** Av. A, cor. Court of Universe Blvd.
- Eclipse Scaffolding Co., The, Omaha, Neb.** Building Scaffolds. Mch. Pal., 5th St. near Av. H.
- Hecla Winslow Co., Inc., Chicago, Ill.** Metal Window for Office Bldgs. Cor. Av. D & 10th St.
- Henderson, W. D., San Francisco, Cal.** Bldg. Constr. Court of Universe Blvd., Av. D & 7th St.
- New York, City of, New York, N. Y.** Architectural Models. City of New York Bldg.
- Otis Elevator Company, New York and San Francisco.** Mch. Pal., 1st St., Aves. F & G. Push button control electric passenger elevator in service for Machinery Hall Officials Office.
- Patent Scaffolding Co., The, New York.** Building Scaffolds. Mch. Pal., 5th St. & Av. H.
- Randall Elevator Door Control Co., San Francisco, Cal.** Pneumatic device for opening and closing elevator doors and automatically locking elevator while door is open. Mch. Pal., 3rd St., cor. Av. C.
- Simplex Window Co., San Francisco, Cal.** Patent Window. W. Ent. No. 10-A.

UNITED STATES GOVERNMENT

Location: Northwest quarter of the Palace of Liberal Arts.

Department of State.

Department of the Treasury.

Bureau of Public Health Service.
Supervising Architect's Office.

Department of War.

Medical Corps.
U. S. Military Academy (West Point).

Department of the Navy.

Bureau of Medicine and Surgery.
U. S. Naval Academy (Annapolis).
And other educational institutions.

Department of the Interior.

Office of Secretary National Parks.
General Land Office.

Office of Indian Affairs.
Reclamation Service.

Department of Commerce.

Bureau of Census.
Foreign and Domestic Commerce.
Bureau of Standards.
Coast and Geodetic Survey.

Smithsonian Institution.
National Museum.

Civil Service Commission.

The Panama Canal.

The Commission of Fine Arts.

American National Red Cross.

Library of Congress.

Motion Picture Exhibit.

INSULAR POSSESSIONS

PHILIPPINES

Location: Philippine Pavilion, Avenue of the Nations

GROUP 29

TYPOGRAPHY—VARIOUS PRINTING PROCESSES

Bureau of Printing, Manila. Copper Half Tones; Lithography; Etchings; Printing.

GROUP 30

BOOKS AND PUBLICATIONS—BOOK BINDING

Augustinian Convent, Manila. Books.

Almario, Rosaura, Manila. Books.

Antonio, Miguel, Manila. Books.

Artigas, Manuel, Manila. Books on History, etc.

Bureau of Printing, Manila. Book binding and ruling.

Calderon, Dr. Fernando, Manila. Books.

Calderon, Sofronia G., Manila. Books; Dictionary.

Castro, Remigio Mat., Manila. Books.

Colegio Medico Farmaceutico, Manila. Books on Medicine.

Cortea, Fausto, Manila. Books.

Cruz, Rosendo, Manila. Books.

Cuevas, Roman, Manila. Descriptive music.

de Veyra, Jaime de, Manila. Books.

de Veyra, Martin P., Manila. Books.

Fajardo, Juan, Manila. Books.

Feria, Felicisimo E., Manila. Books on Law.

Ferrer, Ferrando, Manila. Books.

Flores, Santiago, Manila. Books.

Flores, Simplicio, Manila. Books.

Francisco, Gabriel Beato, Manila. Books.

Gaudinez, Cirisaco, Manila. Music.

Government of the Philippines, Manila.

Hymn to Rizal.

Guerrero, Manuel S., Manila. Books on Medicine.

Guerrero, Dr. Leon Maria, Manila. Book.

Manan Reyes Y., Manila. Books.

Josa, Manila. Books.

Toeders M., Manila. Books on

Government, etc.

Kami Naman Society, Manila. Pamphlets, etc.

Laktaw, Pedro Serrano, Manila. Publications.

Laurel, Francisco, Manila. Books.

Manas, Hugo, Manila. Books.

Manila Telephone & Telegraph Co., Manila. Books.

Mariano, Patricio, Manila. Books.

Martinez, J., Manila. Books and Pamphlets.

Medrano, Pura L., Manila. Books.

McCullough & Co., Manila. "Interesting Manila."

Morales, Isidro, Manila. Books.

Nera, Claudia, Manila. Books.

Oliver, Jose, Manila. Music.

Palma, Rafael, Manila. Books.

Philippine Education Co., Manila. Books.

Philippine Library, Manila. Books and Bindings.

Pintor, Pascuala, Manila. Books.

Ponce, Mariano, Manila. Books.

Precioso Palma, Manila. Books.

Rafael del Pal, Manila. Book.

Raimundo, Carlos, Manila. Books.

Recto, Claro M., Manila. Books and Bindings.

Regalado, Inigo Ed., Manila. Books.

Reyes, Gerardo Chanco, Manila. Books.

Reyes, Angel de Los, Manila. Books.

Reyes, Isabelo de Los, Manila. Books.

Reyes, Jose M. Ocampo, Manila. Books.

Rivera, Jose Maria, Manila. Books.

Romualdez, Hon. Norberto, Leyte. Books, etc.

Ronquillo, Carlos, Manila. Books.

Rosa, Agustin de la, Manila. Books.

Salas, Fernando, Manila. Books on Law.

Sevilla, Maximo B., Manila. Books.

Sebral, Carlos Alvarez, Manila. Books on Law and Economics.

Soverino Reyes y Rivera, Manila. Dramas in Spanish and English.

Stangl, Paul, Manila. Books.

Sugui, Francisco, Manila. Books.

Tolentino, Aurelio, Manila. Books.
 Valeriano Hernandez at Pena, Manila. Books.
 Vico, Ramon Salinas Y., Manila. Books.
 Villamor, Hon. Ignacio, Manila. Books of Reports, etc.

GROUP 31

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY

Bureau of Forestry, Manila. Map. Agr. Pal.
 Bureau of Science, Manila. Relief Map.
 Government of the Philippine Islands, Manila. Map. Ed. Pal.

GROUP 32.

MANUFACTURE OF PAPER

Colegio Mercantil, Manila. Papier-mache. Ed. Pal.
 Bureau of Agriculture, Manila. Paper Pulp. Agr. Pal.
 Bureau of Forestry, Manila. Paper Pulp.

GROUP 33

PHOTOGRAPHY

Arellano, Manuel, Manila. Photographs.
 Arias, Vincente, Manila. Photographs.
 Bureau of Public Works. Photographs; Transparencies.
 Bureau of Printing. Photographs.

Government of the Philippine Islands, Manila. Pictorial Photography. Ed. Pal.
 Manila, Ateneo de, Manila. Ed. Pal.
 Shera, S. M., Manila. Photographs.
 Silliman Institute, Dumaguete. Photographs. Ed. Pal.
 University of Santo Tomas, Manila. Photographs. Ed. Pal.

GROUP 35

MEDICINE AND SURGERY

University of Santo Tomas, Manila. X-Ray Cabinet. Ed. Pal.

GROUP 36

CHEMICAL AND PHARMACAL ARTS

Compania General de Tabacos des Filipinas, Manila. Perfume. Agr. Pal.
 Gallardo, B., Tacloban. Perfume. Agr. Pal.
 Manila Commercial Co., Manila. Perfumes. Agr. Pal.

GROUP 37

MUSICAL INSTRUMENTS

Government of the Philippine Islands, Manila. Musical Instruments. Agr. Pal.
 Province of Pampanga, San Fernando. Stringed Instruments.

GROUP 48

ARCHITECTURAL ENGINEERING

Government of the Philippine Islands, Manila. Drawings, etc., of School Building. Ed. Pal.

Foreign Governments

ARGENTINE

Location: Palace of Liberal Arts, Av. C, 7th and 8th Sts.

GROUP 29

TYPOGRAPHY—VARIOUS PRINTING PROCESSES

Bianchi, Alejandro, Buenos Aires. Various Printing Processes.
 Berger & Cia, Curt, Buenos Aires. Magazine.
 Compania General de Fosforos, Buenos Aires. Specimens of Printing.
 Fontana, Jose, Buenos Aires. Typographic Works.
 "Fray Mocho," Buenos Aires. Special Printing.
 Kraft, Guillermo, Buenos Aires. Annual Directory.
 Moro, Juan, Resistencia. Typography and lithography.
 Plancon, Leon, Buenos Aires. Labels.
 Rosso & Cia, L. J., Buenos Aires. Album of Argentine.
 Serra Hermanos, Buenos Aires. Printing Review.
 Tragent, Jose, Buenos Aires. Typographic Specimens.

GROUP 30

BOOKS AND PUBLICATIONS—BOOK BINDING

Ambrosetti, Juan, Buenos Aires. Archaeological Studies.
 Academia Bernardi, Buenos Aires. Photographs and publications.
 Bayon, Francisco F., Buenos Aires. Publications.
 Beinos e Hijo, Otto, Buenos Aires. Musical Editions.
 Bunge, Carlos Octavio, Buenos Aires. Literary publications.
 Caras y Caretas, Buenos Aires. Magazine.
 Centro Estudiantes de Derecho, Buenos Aires. Publications.
 Centro Estudiante de Ingenieria, Buenos Aires. Publications.
 Centro Nacional de Ingenieros, Buenos Aires. Publications.
 Centro Nacional de Ingenieros Agronomicos, Buenos Aires. Publications.
 Cerna, Juan de la, Buenos Aires. Publications.
 Colombo, Estio, Buenos Aires. Publications.
 "Constancia," Buenos Aires. Publications.
 "Ecos Graficos," Buenos Aires. Review.
 "El Censor," Brage. --newspaper.

- "El Combate," Avellaneda. Daily newspaper.
 "El Defensor," Acabal. Daily newspaper.
 "El Dia," Jujuy. Daily newspaper.
 "El Diario," Buenos Aires. Daily newspaper.
 "El Imparcial," Lanus. Daily newspaper.
 "El Nacional," Dolores. Daily newspaper.
 "El Orden," Mercedes. Daily newspaper.
 "El Progreso," Alta Gracia. Daily newspaper.
 "El Progreso," San Nicolas. Daily newspaper.
 "El Progreso del Norte," San Pedro. Daily newspaper.
 "El Pueblo," Avellaneda. Daily newspaper.
 "El Siglo," Mercedes. Daily newspaper.
 "Fray Mocho," Buenos Aires. Magazine.
 Fynn (Hijo), Dr. Enrique, Buenos Aires. Chemical Studies.
 Gallardo, Dr. Angel, Buenos Aires. Scientific Publications.
 Gobierno de Buenos Aires, La Plata. Official Publications.
 Gobierno de Catamarca, Catamarca. Official Publications.
 Gobierno de Cordoba, Cordoba. Official Publications.
 Gobierno de Corrientes, Corrientes. Official Publications.
 Gobierno de Entre Rios, Parana. Official Publications.
 Gobierno de Jujuy, Jujuy. Official Publications.
 Gobierno de la Rioja, La Rioja. Official Publications.
 Gobierno de Mendoza, Mendoza. Official Publications.
 Gobierno de Salta, Salta. Official Publications.
 Gobierno de San Juan, San Juan. Official Publications.
 Gobierno de San Luis, San Luis. Official Publications.
 Gobierno de Santa Fe, Santa Fe. Official Publications.
 Gobierno de Santiago del Estero, Santiago del Estero. Official Publications.
 Gobierno de Tucuman, Tucuman. Official Publications.
 "La Capital," Mar del Plata. Daily newspaper.
 "La Coalicion," Victoria. Daily newspaper.
 "La Gaceta," Buenos Aires. Bibliographic Review.
 Lajouane & Cia, J., Buenos Aires. Books.
 "La Nacion," Buenos Aires. Newspaper.
 "La Prensa," Buenos Aires. Newspaper.
 "La Razon," San Fernando. Daily newspaper.
 "La Republica," La Plata. Daily newspaper.
 "La Semana," La Carlota. Daily newspaper.
 "La Tarde," Posadas. Daily newspaper.
 Loos, P. A., Buenos Aires. Studies on Seismology.
 "Los Andes," Mendoza. Daily newspaper.
 Lugones, Leopoldo, Buenos Aires. Literary Works.
 Maucel Hermanos, Buenos Aires. Books.
 Ministerio de Gobierno, La Plata. Publications.
 Ministerio de Hacienda, Buenos Aires. Official Publications.
 Ministerio de Relaciones Exteriores, Buenos Aires. Official Publications.
 Moen & Hermano, Arnoldo, Buenos Aires. Books.
 "Mundo Argentino," Buenos Aires. Magazine.
 Museo de la Plata, La Plata. Publications and Photographs.
 "P. B. T.," Buenos Aires. Magazine.
 Periodismo Argentino, Buenos Aires. Newspapers, Reviews and Periodicals.
 Repossini, Ing. Jose, Buenos Aires. Report.
 Revista Ilustrada de la Zapateria, Buenos Aires. Review.
 Revista Telegrafica, Buenos Aires. The complete collection.
 Sociedad Cientifica Argentina, Buenos Aires. Publications.
 Tailhade & Rosselli, Buenos Aires. Bound Books.
 Urien & Colombo, Buenos Aires. "The Argentine Republic in 1910."
- GROUP 31
- MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY
- Dominguez, Fulgencio, La Plata. Cartographic Works.
 Escalada & Holmberg, Buenos Aires. Maps.
 Instituto Geografico Argentino, Buenos Aires. Publications and Photographs.
 Ludwig, Pablo, Buenos Aires. Maps.
 Maucel Hermanos, Buenos Aires. Maps.
 Ministerio de Obras Publicas, Buenos Aires. Maps.
 Observatorio Astronomico Nacional de Cordoba, Cordoba. Publications and Photographs.
 Observatorio Astronomico de la Universidad de la Plata, La Plata. Publications and Photographs.
- GROUP 32
- MANUFACTURE OF PAPER
- Rossi & Lavarello, Buenos Aires. Pasteboard and Photographic Cardboards.
- GROUP 33
- PHOTOGRAPHY
- Alvarez, Eaul, Buenos Aires. Photographs.
 Baglietto, A. I., Buenos Aires. Photographs.
 Bonnin, Mateo, Buenos Aires. Photographs.
 Bristol Hotel, Buenos Aires. Photographs.
 Colombo, Arturo C., Buenos Aires. Photographs on Zinc Plates and Copper Plates.
 Costamagna, Dr. A., Buenos Aires. Photographs.
 Cullen, Jorge, Buenos Aires. Photographs.
 Escurra, Isaias de, Buenos Aires. Photographs.
 Fouilland, Francisco, Posados. Photographs.
 Garro, J., Buenos Aires. Photographs.
 Guidi (Hijo), R., Buenos Aires. Photographs.
 Merlino, Carlos, Buenos Aires. Photographs.

Nelson, Enrique M., La Plata. Photography.
 Olds, John E., Buenos Aires. Photographs.
 Sanchez, Julio, Jujuy. Photographs.
 Simon, J., Buenos Aires. Photographs.
 Sociedad Fotografica Argentina de Aficionados,
 Buenos Aires. Photographs.
 Trelles, Federico, Buenos Aires. Photo-
 graphs.
 Witcomb, Fotografa, Buenos Aires. Photo-
 graphs.
 Zuretti & Fiorini, Buenos Aires. Photo-
 graphs.

GROUP 34

INSTRUMENTS OF PRECISION, PHILO- SOPHICAL APPARATUS, ETC., COINS AND MEDALS.

Gottuzzo & Cia, Buenos Aires. Medals and
 Engravings.

GROUP 35

MEDICINE AND SURGERY

Aleotti, Manlio, Buenos Aires. Orthopedic
 Articles.
 Berutti, Dr. Josue A., Buenos Aires. Works
 on Obstetric.
 Bottaro, Dr. Osvaldo L., Buenos Aires. Medi-
 cine Works.
 Campo de Sanidad del Ejercito, Buenos
 Aires. Photographs.
 Centro Estudiantes de Medicina, Buenos
 Aires. Photographs and Publications.
 Circulo Medico Argentino, Buenos Aires. Pho-
 tographs.
 Deluca, Dr. J., Buenos Aires. Medical Pub-
 lications.
 Hess, Otto, Buenos Aires. Surgical Instru-
 ments.
 Salvador, Dr. Jaime, Buenos Aires. Medical
 Studies.
 Seeber, Dr. Guillermo, Buenos Aires. Books.
 Sociedad Medica Argentina, Buenos Aires.
 Publications.
 Centro de Estudiantes de Medicina, Buenos
 Aires. Publications.
 Sociedad de Medicina Veterinaria, Buenos
 Aires. Publications.
 Speroni, Dr. David, Buenos Aires. Medical
 Publications.
 Tamburini, Dr. Mauricio, Buenos Aires. Med-
 ical Works.

GROUP 36

CHEMICAL AND PHARMACAL ARTS

Alasico & Co., Tucuman. Acetylene Gas Gen-
 erator.
 Burnichon, A., Buenos Aires. Thermogenic
 and Medicinal Cotton.
 Del Campo, Nicolas, Buenos Aires. Wax.
 Candriani, R., Buenos Aires. "Cryptocodex"
 Carranza, Marcelino, Buenos Aires. Acety-
 lene Gas Generator.
 Compania General de Fosforos, Buenos Aires.
 Matches.
 Compania de Productos Quimicos "La Sul-
 furica," Buenos Aires. Sulphates of Iron
 and Copper, Sulphuric, Nitric and Chlor-
 hydric Acids.

Corti & Darbon, Buenos Aires. "Mena"
 Emulsion.

Costantini, N., Buenos Aires. Pharmacal
 Products.

Cruz Roja Argentina, Buenos Aires. Photo-
 graphs.

De Mateo, Pascual, Buenos Aires. Specific
 Remedies.

Diaz, Carlos, Monteagudo. "Tacu" Coloring
 Extract.

Drogueria "La Estrella," Buenos Aires
 Pharmacal Products.

Fontana Flores, Ing. Luis J., San Juan. Crys-
 tallized Tartaric Acid.

Gamberale, Rogelio, Salta. Tannic Acid from
 Bark of "Cebil."

Granja Blanca Soc. An. Ltda, Buenos Aires.
 Soap.

La Farmaco Argentina, Buenos Aires. Pharm-
 acal Specialties.

Lanzarini & Comin, Buenos Aires. Pharma-
 cal Products.

Lorenzini, Dr. Pedro & Gobbi, Ing. E. L.,
 Mendoza. Cream Tartar.

Lynch, Dr. Ricardo, Buenos Aires. "Nari-
 tona" Specific Remedy.

Marcus, Adolfo, Buenos Aires. Pectoral
 Syrup "Abietina."

Marini, Victor, Buenos Aires. Furniture Pol-
 ish Ingredient.

Morando Hijo y Hermano, Buenos Aires.
 Candles, Soap, Glycerine and Olein.

Bourg & Hermano, J., Buenos Aires. Paste,
 Ink and Mucilage.

GROUP 37

MUSICAL INSTRUMENTS

Bubenick, Rodolfo, Buenos Aires. Musical
 Instruments.
 Capalbo Luthier, J., Buenos Aires. Viola,
 Violin and Violoncello.
 Mandelli, Camilo, Buenos Aires. Violins and
 Accessories.
 Mazzocco, Vicente, Buenos Aires. Musical
 Editions.
 Militello, Gandolfo, Buenos Aires. Violins.
 Poggi, Alberto S., Buenos Aires. Musical
 Compositions.
 Poggi, David & Hijo, Buenos Aires. Musical
 Editions.
 Troiani, G., Buenos Aires. Musical Compo-
 sitions.

GROUP 40

CIVIL AND MILITARY ENGINEERING

Estado Mayor Delejercto, Buenos Aires.
 Publications and Maps of Military Char-
 acter.
 Gobbi, Ing. Romualdo, Mendoza. Steel Skele-
 ton.
 Gramagna, Enrique, Buenos Aires. Low
 Relief on Cardboard.
 Hermitte, Ing. Enrique, Buenos Aires. Pub-
 lications.
 Ministerio de Guerra, Buenos Aires. Publi-
 cations.
 Ruiz Moreno, Buenos Aires. Technical Mil-
 itary Works.

GROUP 41

MODELS, PLANS AND DESIGNS FOR
PUBLIC WORK

- Anglo-Argentine Tramways Co., Ltd., Buenos Aires. Plans and Photographs.
- Barabino, Ing. Santiago; Buschiazio, Juan A. & Juan C., Buenos Aires. Project of a Cellular Prison.
- Buenos Aires & Pacific R. R., Buenos Aires. Photographs.
- Central Argentine R. R., Buenos Aires. Photographs.
- Centro Nacional de Ingenieros, Buenos Aires. Publications.
- Comision Auxiliar, Los Andes. Photographs of Works.
- Comision Auxiliar, Jujuy. Photographs of Works.
- Comision Auxiliar, Misiones. Photographs of Works.
- Compania Constructora del Puerto del Rosario, Santa Fe. Photographs.
- Compania de Electricidad del Rosario, Santa Fe. Photographs.
- Compania Italo-Argentina de Electricidad, Buenos Aires. Photographs.
- Direccion General de Ferrocarriles, Buenos Aires. Album of Government Railways.
- Direccion General de Irrigacion, Buenos Aires. Photographs and Publications.
- Direccion General de Obras Hidraulicas, Buenos Aires. Plans.
- Direccion General de Puentes y Caminos, Buenos Aires. Publications, Maps and Photographs.
- Direccion del Puerto de Buenos Aires, Buenos Aires. Model.
- Ferrocarril de Buenos Aires al Pacifico, Buenos Aires. Photographs and Graphics.
- Ferrocarril Central Argentino, Buenos Aires. Photographs and Graphics.
- Ferrocarril del Oeste, Buenos Aires. Photographs and Graphics.
- Ferrocarril del Sud, Buenos Aires. Photographs and Graphics.
- Prefectura General de Puertos, Buenos Aires. Maps of Ports.
- Ministerio de Marina, Buenos Aires. Publications and Photographs.
- Ministerio de Obras Publicas, Buenos Aires. Publications and Photographs.
- Ministerio de Obras Publicas, Mendoza. Plans.
- Corte R. R., Buenos Aires. Photographs.
- Sud R. R. of Buenos Aires, Buenos Aires. Photographs.

GROUP 42

ARCHITECTURE

- Darriou, Ing. Mauricio, Buenos Aires. Architectural Publications.
- Revista "Arquitectura & Construccion," Buenos Aires. Collection of the Review.
- Sociedad Arquitectos y Constructores de Obras, Buenos Aires. Plans.

GROUP 43

ARCHITECTURAL ENGINEERING.

- Direccion General de Arquitectura, Buenos Aires. Plaster Model and Plans.

Sociedad Central de Arquitectos, Buenos Aires. Plans.

E. Sauze & Hugnier, Buenos Aires. Plans of Argentine Pavilion.

AUSTRALIA

Location: Australian Pavilion, Presidio Entrance, near French Pavilion

GROUP 30

BOOKS AND PUBLICATIONS—BOOK
BINDING

- Age Newspaper Co., Melbourne. Periodicals.
- Argus Newspaper Co., Melbourne. Periodicals.
- Bulletin Newspaper Co., Sydney. Periodical.
- Courier Newspaper Co., Brisbane. Periodicals.
- Daily Mail Newspaper Co., Brisbane. Periodical.
- Daily Telegraph Newspaper Co., Sydney. Periodical.
- Fairfax & Sons, Jas., Sydney. Periodicals.
- Government Printer, The, Brisbane. Artistic Book Binding.
- Government Printer, The, Melbourne. Book Binding.
- Government Printer, The, Sydney. Artistic Book Binding.
- Sun Newspaper Co., Ltd., Sydney. Periodicals.
- Telegraph Newspaper Co., Brisbane. Periodical.

GROUP 31

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY

- Government Printer, The, Brisbane. Maps.
- Lands Department, Melbourne. Maps.
- Lands Department, Sydney. Maps.
- Mines Department, Melbourne. Geological Maps.
- Mines Department, Sydney. Geological Maps.
- State Rivers & Water Supply Commission, Victoria. Map of Victoria showing Irrigation Areas.

GROUP 33

PHOTOGRAPHY

- Commissioner for Railways, Brisbane. Photographic Enlargements.
- Department of Public Works, Sydney. Photographic Transparencies.
- Government Printer, The, Sydney. Photographic Enlargements.
- Mohaby, H. W., Brisbane. Photographic Enlargements.
- Railway Department, Melbourne. Photographic Enlargements.

GROUP 35

CHEMICAL AND PHARMACAL ARTS

- Cuming, Smith & Co., Melbourne. Wood Distillation Products.
- Irving & Sons, J., Brisbane. Soap. Boot Polish, Lino Polish.
- Michaelis, Hallenstein & Co., Ltd., Melbourne. Glue.
- Technological Museum, Sydney. Essential Oils.

GROUP 43

ARCHITECTURAL ENGINEERING

Works Department, Brisbane. Model of School Building.

CHILE

GROUP 30

BOOKS AND PUBLICATIONS—BOOK BINDING

Marquez, Alberto. Books entitled: "Libro Internacional Sud-Americano." Liberal Arts Offices.

CHINA

Location: Palace of Liberal Arts, 6th & 7th Sts., bet. Aves. B & C

GROUP 29

TYPOGRAPHY—VARIOUS PRINTING PROCESSES

Board of Finance, Peking. Copper plate for negotiable notes.

Bureau of Printing, Peking. Engravings, etc. Chung-Hwa Books Co., Shanghai. Electrotype, etching, printing, etc.

Commercial Press, Shanghai. Printing, etching, etc.

Heun Chi, Shanghai. Chinese typewriter.

Lee Y'uk Tien, Honan. Printing, etc. Printing Company, The, Shanghai. Pictures.

Yu-Cheung Books & Co., Shanghai. Chinese specimens.

GROUP 30

BOOKS AND PUBLICATIONS—BOOK BINDING

Commercial Press, Shanghai. Ming Shon History.

Kiang Nan Books Co., Kiang-su. Books of mathematics.

Lee Kia Peh, Shanghai. Books in English.

Library of Chekiang, Chekiang. Statistics.

Peng Shu Wen, Peking. Books of Hau King.

GROUP 32

MANUFACTURE OF PAPER

Ching Pek Kao, Peking. Fancy paper.

Cheng Fung Ho Paper Factory, Kiangsu. Paper.

Chuan Hwa Book Co., Kiangsu. Paper matrix.

Deh Haren & Co., Kiangsu. Paper. V. I. Pal., Aves. C & D, bet. 4th & 6th Sts.

Hu Cho An, Chekiang. Glass paper.

Lo Kee Tai, Honan. Paper.

Wong Kam Ping, Kiangsu. Album gold dust paper.

Wong Chai Ping & Co., Kiangsu. Paper.

Wong Shon Ting, Chekiang. Roll mulberry skin paper.

Yen Wen Shen & Co., Kiangsu. Paper made from bamboo.

Yi Yi & Chun Ho Co., Kiangsu. Paper made from bamboo.

Yu Cheng Book Co., Kiangsu. Copy book.

GROUP 33.

PHOTOGRAPHY.

Chili Commercial Museum, Tientsin. Mounted photographs.

Commercial Press, Ltd., Kiangsu. Stereopticon, ColloTYPE.

Ng Ngo Shen, Hangchow. Pictures.

Pao Chi, Peking. Photographs.

Shantung Local Commission, Shantung. Photographs.

Wen Tong Book Co., Kweichow. Pictures.

Zee Yu Chi, Chekiang. Pictures of West Lake.

Zee Yee Chi, Hangchow. Mounts.

Yu Yung Tsao, Chekiang. Photos.

GROUP 34.

INSTRUMENTS OF PRECISION, PHILOSOPHICAL APPARATUS, ETC. COINS AND MEDALS.

Chang Lou Cheng, Kiangsu. Sundials.

Chinese Optical Co., Shanghai. Eyeglasses. V. I. Pal., Aves. C & D, bet. 4th & 6th Sts.

Chuan Nan-Tust, Kiangsu. Surveying instruments; Heliometer.

Chung Ning Sed, Kiangsu. Sundials.

Commercial Press, Shanghai. Laboratory apparatus for mathematical investigations; weighing machine, etc.

Feng Shu Sui, Anhui. Compass; heliotope.

Fong Su See, Anhui. Sundials.

Government Factory of Weights and Measures, Peking. Weights, measures, etc.

Hu Loo Hung, Anhui. Compass.

Hu Yi Ink, Anhui. Compass, sundials.

Lee Hum Chung, Canton. Microscope.

Pang See Ming, Peking. Measure blocks, calculation diagram.

Wu Shu Ye, Anhui. Compass; Heliotropes.

GROUP 35.

MEDICINE AND SURGERY.

First Ping Ming Industrial Institution, Hangchow. Anatomical models. V. I. Pal., Aves. C & D, bet. 4th and 6th Sts.

Shen Hain Nun, Kiangsu. Ma Pao.

GROUP 36.

CHEMICAL AND PHARMACAL ARTS.

Bong Pao Sang, Chekiang. Iodes.

Camphor & Co., Kweichow. Camphor.

Chang Chin, Kiangsu. Solution for lung disease.

Chang Hong Pan, Kiangsu. Tallow.

Chan Ping Kee, Kwantung. Chemicals.

Cheung Peng Kee, Kwantung. Kadix cyperi.

Chemical Industrial Co., Kiangsu. Various chemical industries.

Chew Lung Se, Canton. Chemicals

Chien Yun Kee, Kweichow. Starch.

Chiu Lung Si, Canton. Tonic, syrup, oil, etc.

Chu Tong Hai, Peking. Cleaning oils.

Chu Ke Yun, Chekiang. Paste, pills, balm, etc.

Da Fung Chamber of Commerce, Anhui. Herbaceous medicine.

Dang Chin San, Kirin. Herbaceous medicine. Agr. Pal.

Fang Shen Co., Kiangsu. Various chemical products.

Farmers' Association, Kwangtung. Roots, etc.

Feng Lan Feng, Kirin. Deer horn.

Fong Fu Ge, Anhui. Herbaceous medicine. Agr. Pal.

Fong Lan Shin, Kirin. Herbaceous medicine. Agr. Pal.

Government First Hospital. Vaccination medicine.

Kuang Sang Co., Ltd., Hong Kong. Cologne, tonic-oil, powder, etc.

Kut Chung Co., Canton. Matches.

Kwei Chow Tablets & Co., Kweichow. Tablets.

Kwong Sang Hong & Co., Shanghai. Violet powder, etc.

Lee Hok Tong, Fontien. Blood and kidney pills.

Lee Yik Lin, Fontien. Cough medicine.

Liu Wen Ying, Peking. Chemicals, etc.

Lowes & Co., Shanghai. Blood tonic; tooth powder, etc.

Mip Tung Olan, Kiangsu. Oils.

Fu Wa Pak Factory, Kiangsu. Bone joining medicine.

Republic of China, Peking. Herbaceous medicine. Agr. Pal.

Rue Wai Pharmacal Co., Kiangsu. Medicine.

Sak Ji Kum, Kwangtung. Florida water, oil, etc.

Seng-Yu-Wien, Chekiang. Face powder.

Shan-Shu-Jen, Shanghai. Nervine pills, tonic, etc.

Tai Ping Chamber of Commerce, Anhui. Herbaceous medicine. Agr. Pal.

Tuan Yian Sian, Shanghai. Face and hair cream, etc.

Ta Chung Match Co., Honan. Matches. V. I. Pal., Ays. C & D, bet. 4th & 6th Sts.

Tientsin Soap Co., Tientsin. Various kinds of soaps.

Tong Fok Tin, Kwangtung. Oils.

Tong Tok Tin, Kwangtung. Oils, toilet water, etc.

Tsai-U-Tsing, Chekiang. Incense, etc.

Tu-Ying, Kweichow. Camphor.

Wang Li-Fan, Kiangsu. Life saving powder.

Wang Sh Tsun, Kiangsu. Peppermint oil, etc.

Wang Yuan, Kiangsu. Tooth powder.

Wong Bo Son, Kiangsu. Essences, oils, etc.

Wong Llong, Kiangsu. Hair cream oil.

Wong Luh Choi, Kiangsu. Life saving powder.

Wong Luh Sing, Kiangsu. Essences.

Wong Won, Kiangsu. Mowtan tooth powder.

Woo Chow Pharmacal Co., Kiangsu. Medicine.

Woo-Ven-Sung Tang, Chekiang. China root, etc.

Yat Tai Co., Swatow. Perfumes, lotions, oils, etc.

Yi Yin Dispensary, Peking. Chemicals, etc.

GROUP 37.

MUSICAL INSTRUMENTS.

Chang Yin Chai, Peking. Flutes, harps, organs, violins, etc.

Kwangtung Local Commission, Kwangtung. Flutes, guitars, banjos, etc.

Lee Lop Tse, Peking. Harps, violins, etc.

Lee Tai Sang, Canton. Musical cords.

Lo Tien Hua, Foochow. Musical instruments.

Lou Tin Wa, Fukien. Model of ceremonial Foto.

Lu Lih Sui, Peking. Various kinds of musical instruments.

Pin-Ming, Chekiang. Brass drum.

Yan Young Kok, Canton. Musical instruments.

GROUP 38.

THEATRICAL APPLIANCES AND EQUIPMENT.

Yi-Shung-Hoa, Tientsin. Armour, etc.

GROUP 43.

ARCHITECTURAL ENGINEERING.

Lien Hsiang Chai, Peking. Models of construction.

Ma Lien Shuen, Tientsin. Architectural models.

Tain Chi Tsang, Kinkwa. Model of Buddhist Pagoda.

CUBA

Location: Cuban Pavilion, off Avenue of Nations, Opposite French Pavilion

GROUP 30

BOOKS AND PUBLICATIONS—BOOKBINDING

Belen Observatory, The—Havana. Observations from 1858 to 1913. Memorias de la Marcha del Barometro en la Habana. Huracanes de las Antillas. Investigaciones sobre los Huracanes de las Antillas.

Bohemia—Havana. A collection of magazine editions.

Cuba—Havana. A collection of magazine editions.

Cuba Contemporanea—Havana. Twelve numbers of its Monthly Review.

Cuba y America—Havana. A collection of magazine editions.

Diario de la Marina—Havana. A collection of magazine editions.

El Dia—Havana. A collection of magazine editions.

El Hogar—Havana. A collection of magazine editions.

El Imparcial—Havana. A collection of magazine editions.

El Mundo—Havana. A collection of magazine editions.

El Reconcentrado—Havana. A collection of magazine editions.

El Tabaco—Havana. A collection of magazine editions.

El Triunfo—Havana. A collection of magazine editions.

Fleites America—Havana. Marcelo (a novel).

Garcia, Jose Rodriguez—Havana. Samples of photographs.

Heraldo de Cuba—Havana. A collection of magazine editions.

House of Representatives of Cuba—Havana. Memorias.

Imbert, A., Paris.
 Jouannet, Leon, Paris.
 Lausanne, Gustave, Paris.
 Lemaire, Constant, Paris.
 Letrosne, Charles, Paris.
 Mange, G. Jean, Paris.
 Montarnai, Joseph de, Paris.
 Moreau-Neret (Adrien), Paris.
 Navarre Et Rousselot, Paris.
 Pachy, Edmond, Paris.
 Raynaud, Leon-Pierre, Paris.
 Redont, Edouard, Paris.
 Routaix, Paris.
 Rousselet Et Fils, Paris.
 Salvanbac Freres, Paris.
 Stoullig, Charles, Paris.
 Vinant, Georges, Paris.
 Wallart, Gustave, Paris.

GERMANY

Location: Palace of Liberal Arts, Court of
 Universe Blvd. and 10th St.

GROUP 29.

TYPOGRAPHY—VARIOUS PRINTING PROCESSES.

Deutsche Verlagsanstalt, Stuttgart.
 Voigtlaender, E., Leipzig.

GROUP 30.

BOOKS AND PUBLICATIONS — BOOK-BINDING.

Alt, J., Frankfurt a M.
 Andre, J., Offenbach.
 Attenkofer, C., Straubing.
 Bassermann, F., Muenchen.
 Beck, C., Muenchen.
 Bibliographisches Institute, Leipzig.
 Bondi, G., Berlin.
 Bong, R., Berlin.
 Bonz, A., Stuttgart.
 Braun & Schneider, Muenchen.
 Breitkopf & Haertel, Leipzig.
 Brockhaus, F. A., Leipzig.
 Bruckmann, F., Muenchen.
 Cotta'sche Buchhandlung, J. G., Stuttgart.
 Degener, H. A. L., Leipzig.
 Deutsche Verlagsanstalt, Stuttgart.
 Dietrich, G. W., Muenchen.
 Dietz, I. H. W., Stuttgart.
 Engelhorn's, J. Nachfolger, Muenchen.
 Fischer, S., Berlin.
 Fleischel, E. & Co., Berlin.
 Franck'sche Verlags-Buchhandlung, Stuttgart.
 Globus, Verlag, Berlin.
 Gr te' Sche Verlagsbuchhandlung, G., Berlin.
 Grethlein & Co., Leipzig.
 Gross, Julius, Heidelberg.
 Grote'sche Verlagsbuchhandlung, G., Berlin.
 Granow, F. W., Leipzig.
 Haessel, Verlag H., Leipzig.
 Hahn, A., Leipzig.

Haude & Spennersche Buchhandlung, Berlin.
 Hirschel, S., Leipzig.
 Hobbing, Reimar, Berlin.
 Illustrierte Zeitung, Leipzig.
 Insel, Verlag, Leipzig.
 Janke, Otto, Berlin.
 Klepenheuer, C., Weimar.
 Klemm, H., Berlin.
 Koeppen, P., Berlin.
 Koessel'sche, Joseph Buchhandlung, Kempten.
 Kroner, A., Leipzig.
 Kunstwart, Muenchen.
 Langen, A., Muenchen.
 Langewiesche, K. E., Duesseldorf.
 List, P., Leipzig.
 Loewensohn, G., Furth-Berlin.
 Lutz, R., Stuttgart.
 Marquardt & Co., Berlin.
 Mittler, E. S. & Son, Berlin.
 Mundt & Blumentritt, Dachau.
 Mueller, Verlag, George, Muenchen.
 Neff, Paul Verlag, Esslingen.
 Neufeld & Heinsius, Berlin.
 Oldenbourg, E., Muenchen.
 Paetel, Gebrueder, Berlin.
 Piper, R. & Co., Muenchen.
 Rathe, D., Leipzig.
 Reclam, Philip, Leipzig.
 Reimer, George, Berlin.
 Reiss, E., Berlin.
 Reissner, Carl, Dresden.
 Rozsavelgye & Co., Budapest.
 Scherl, August, Berlin.
 Scholz, Joseph, Mainz.
 Schott, Soehne, B. Mainz.
 Schubert & Co., Leipzig.
 Seemann, E. A., Leipzig.
 Staackmann, L., Leipzig.
 Stechert & Co., F. C., New York & Leipzig.
 Sueddeutscher, Musikverlag, Strassburg.
 Tempel, Verlag, Leipzig.
 Teubner, B. G., Leipzig.
 Fischer & Jagenberg, Koeln.
 Thomas, Th., Leipzig.
 Ullstein & Co., Berlin.
 Union Deutsche Verlagsgesellschaft, Stuttgart.
 Universal Edition, Wien.
 Veit & Co., Leipzig.
 Velhagen & Klasing, Bielefeld, Leipzig.
 Verlag, Berlin-Wien, Berlin.
 Voigtlaender, E., Leipzig.
 Weidmann'sche, Buchhandlung, Berlin.
 Westermann, Georg, Braunschweig.
 Winter's, Karl, Universitaets-Buchhandlung, Heidelberg.
 Woche, Die, Berlin.

GROUP 31.

MAPS AND APPARATUS FOR GEOGRAPHY. COSMOGRAPHY, TOPOGRAPHY

Velhagen & Klasing, Bielefeld, Leipzig.

GROUP 32.

PHOTOGRAPHY.

Berlin Photographic Co., Berlin.

Collective Exhibit of German Colonies.
 New Photographic Co., Berlin.
 Schering & Glatz, Berlin.
 Seemann, E. A., Leipzig.

GROUP 34.

**INSTRUMENTS OF PRECISION, PHILO-
 SOPHICAL APPARATUS, ETC.
 COINS AND MEDALS.**

Account-O-Graph Calculating Machine Co.,
 Mehlis-Thuringia.

GROUP 35.

MEDICINE AND SURGERY.

Haechster, Farbwerke, H. A. Metz & Co.,
 Haechst/M.

Schering & Glatz, Berlin.

Sthamer, Dr. E., Hamburg.

GROUP 36.

CHEMICAL AND PHARMACAL ARTS.

Badische Co., Ludwigshafen.

Eischner, Carl, Hamburg.

Chemische, Fabrick & Atien, Berlin.

Leischner, L., Berlin. Toilet articles.

Permutit Co., Berlin. Filters.

Sthamer, Dr. Richard, Hamburg.

Schering & Glatz, Berlin.

Haechster, Farbwerke, H. A. Metz & Co.,
 Haechst/M.

GROUP 37.

MUSICAL INSTRUMENTS.

Hohner, M., Trossingen.

GROUP 38.

**THEATRICAL APPLIANCES AND EQUIP-
 MENT.**

Leichner, L., Berlin.

GREAT BRITAIN

GROUP 29.

**TYPOGRAPHY—VARIOUS PRINTING
 PROCESSES.**

Linotype & Machinery, Ltd., Manchester, Eng.
 Slug-casting machine. Mfr. Pal., 1st &
 2nd Sts. & Aves. C & D.

GROUP 34.

**INSTRUMENTS OF PRECISION, PHILO-
 SOPHICAL APPARATUS, ETC.****COINS AND MEDALS.**

Roberts, Dr. E. C., Loughboro, Eng. Naviga-
 tion instruments. Trans. Pal., Av. F, bet.
 6th & 7th Sts.

Stephens, Hugh Taylor, Ferryside, Wales.
 Calculating machine. Mfr. Pal., 1st & 2nd
 Sts. & Aves. C & D.

GROUP 35.

MEDICINE AND SURGERY.

Moeb, Gorman & Co., Ltd., London, Eng.
 Oxygen breathing apparatus. Min. Pal.,
 Aves. A & B, bet. 4th & 5th Sts.

GROUP 36.

CHEMICAL AND PHARMACAL ARTS.

Thomson, Ltd., The, Salisbury, Eng. Tinto-
 meter apparatus. Mfr. Pal., 1st & 2nd
 Sts. & Aves. C & D.

Gas Light & Coke Co., London, Eng. Taram-
 monia. Mfr. Pal., 1st & 2nd Sts., bet. Aves.
 C & D.

GUATEMALA

Location: Guatemalan Pavilion, near Inside
 Inn, back of Japanese Gardens

GROUP 29.

**TYPOGRAPHY—VARIOUS PRINTING
 PROCESSES.**

Typografia Nacional, Guatemala. Publica-
 tions, government printing.

GROUP 30.

**BOOKS AND PUBLICATIONS—BOOK
 BINDING**

Electro Typography, Guatemala. Publica-
 tions.

Martinez, J. Paniagua, Guatemala. Sheet
 music. "Locomotora del Norte."

Mendoza, J. A., Guatemala. Sheet music.
 "Caprichosa," "Lain d'Elle," "Gloria a
 Garcia Granados."

Peralta, Alonso D., Guatemala. Sheet music.
 "Exposition Grounds 1915," "Sailing
 Through the Canal."

Pineda, Tadeo E., Guatemala. Sheet music.
 "Ave Maria" (Tenor and Baritone).

Rodriguez, Fabian, Guatemala. Sheet music.
 "Mi Rey" (My King), "Hymn to Es-
 trada Cabrera," "Liberty."

Sanchez, y de Guise, Guatemala. Publications.

GROUP 33.

PHOTOGRAPHY.

Arte Nuevo Valdeavellano & Co., Guatemala.
 Photographs.

Orosco, M., Guatemala. Photographs of
 buildings.

GROUP 36.

CHEMICAL AND PHARMACAL ARTS.

Cia Nacional de Industrias, Guatemala.
 Stearine-Paraffin, soap.

Hermanos, Mendoza, Guatemala. Gall-Sul-
 phur, soap, face powder, rice, starch, etc.

Juarez, E., Retalhuleu. Soap.

Novela, F., Guatemala. Calcium phosphate.

GROUP 37.

MUSICAL INSTRUMENTS.

Ardan, Luciano, Guatemala. Amatitlan,
 guitar.

Garcia, Manuel Estrada, Guatemala. Harp-
 Bandore, harp, guitar.

Hurtado & Sons, Sebastian, Guatemala. Mus-
 ical instruments.

GROUP 40.

CIVIL AND MILITARY ENGINEERING.

Novela, F., Guatemala. Portland cement.

HONDURAS

Location: Honduran Pavilion, near Inside Inn, back of Japanese Gardens

GROUP 29.

TYPOGRAPHY—VARIOUS PRINTING PROCESSES.

Lithografía y Fotograbado Nacionales, Tegucigalpa. Lithography, printing and photo engraving.

Tipografía Nacional, Tegucigalpa. Typographic printing.

GROUP 30.

BOOKS AND PUBLICATIONS—BOOK-BINDING.

Archivo Nacional, Tegucigalpa. Archives Review.

Canales, Adan, Tegucigalpa. Poetry.

Cuellar, Juan Maria, Tegucigalpa. Geographical study.

De Martinez, Maria V., Tegucigalpa. Official bookkeeping.

Duron, Romulo E., Tegucigalpa. Historical studies.

Encuadernacion Nacional, Tegucigalpa. Specimens of bookbinding.

Fontecha, Dr. A. Ramirez, Tegucigalpa. Boundary controversy between Honduras and Nicaragua.

Gamero, Manuel Adalid, Danli. Music.

Gobernacion, Politica, Roatan. Album of views.

Gobernacion, Politica, Santa Rosa. Album of Copan's ruins.

Government of Honduras, Tegucigalpa. Valentin contract, album of views.

Hartling, Carlos, Tegucigalpa. National hymn of Honduras: funeral march.

La Universidad Nacional, Tegucigalpa. University Review.

Lopez, E. Martinez, Tegucigalpa. Historical study of Morazan.

Maradiaga, Rafael, Juticalpa. Music.

Membreno, Dr. Alberto, Tegucigalpa. Geographical and grammatical studies.

Ministerio de Fomento, Tegucigalpa. Official reports on mines, etc.

Ministerio de Gobernacion, Tegucigalpa. Official law newspapers.

Ministerio de Hacienda, Tegucigalpa. Annual reports, rules and regulations.

Ministerio de Instruccion Publica, Tegucigalpa. Reports and school books.

Ministerio de La Guerra, Tegucigalpa. Annual reports, military writings and laws.

Ministerio de Relaciones Exteriores, Tegucigalpa. Law books and documents.

Pollicarpo, Bonilla, Tegucigalpa. Political writings.

Rafael, Coello Ramos, Tegucigalpa. Music.

Reina, Jeronimo J., Tegucigalpa. Poetry.

Rosa, J. Tobias, Tegucigalpa. Literary works.

Saravia, Manuel, Tegucigalpa. Gymnastical manual.

Tipografía, Nacional, Tegucigalpa. Reviews, books and publications.

Turcios, Froilan, Tegucigalpa. Literature. Vivas, Fernando Somoza, Tegucigalpa. Honduras guide and political controversy. Zelaya, Santiago, Tegucigalpa. Music.

GROUP 31.

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY.

Fiallos, Elisa V. De., Tegucigalpa. Map of Honduras.

Fontecha, Angel Ramirez M., Tegucigalpa. Maps of Honduras.

GROUP 35.

MEDICINE AND SURGERY.

Zelaya, Dr. Teofilo F., Tegucigalpa. Injector apparatus.

GROUP 36.

CHEMICAL AND PHARMACAL ARTS.

Cisneros, Ramon, Santa Rosa. Dentrifrice liquor and paste.

Farmacia Central, Arias, Fiallos & Co., Santa Rosa. Pomatum for freckles.

"La Economica," Villars Dreschel & Co., Tegucigalpa. Soaps and candles.

"La Equitativa," of Antonio Ch. Wais, Tegucigalpa. Soaps, candles and perfumes.

"La Favorita," Pio Canto & Co., San Pedro Sula. Soaps and candles.

GROUP 37.

MUSICAL INSTRUMENTS

Ruiz, Miguel A., La Paz. Guitar, mandolin and violin.

GROUP 39.

Direccion de Telegrafos y Telefonos, Tegucigalpa. Telegraph and telephone implements.

GROUP 42.

ARCHITECTURE.

Marmoleria Italiana, Tegucigalpa. Architectural detail and tiles.

Prats, Cristobal, Tegucigalpa. Tiles.

ITALY

Location: Liberal Arts Palace, 8th & 10th Sts. & Av. C

GROUP 29.

TYPOGRAPHY—VARIOUS PRINTING PROCESSES.

Royal School of Engravings, Rome. Engravings. It. Pav.

GROUP 30.

BOOKS AND PUBLICATIONS — BOOK-BINDING.

Besozzi, C., Milan. Illustrations.

Bestetti & Tuminelli, Milan. Publications.

Crudo & Co., C., Turin. Artistic editions.

Giornale L'Elettricista, Rome. Review.

Lacroix, Alderi, Milan. Reproductions.

Sonzogne, Lorenzo, Milan. Publications.

Touring Club Italiano, Milan. Guide.

GROUP 31.

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY.

International Institute of Agriculture, Rome. (charts and tables. It. Pav.

GROUP 32.

MANUFACTURE OF PAPER.

Castiere Pietro Miliani, Fabriano. Paper.
 Cartiere Di Maalianico, Maalianico. Paper.
 Cartiera Italiana, Turin. Paper.
 Guizzi, Fratelli, Spoleto. Paper.

GROUP 33.

PHOTOGRAPHY.

Anderson, D., Rome. Photographs.
 Dept. of Military Aerial Photography, Rome.
 Photographs. It. Pav.

GROUP 35.

MEDICINE AND SURGERY.

Canzi, G., Milan. Medicines.
 Giorgio Dott, C., Milan. Medicines.
 Leone Moltani & Co., Firenze. Medicines.
 Wichemann Dott., Firenze. Medicine Products.

GROUP 36.

CHEMICAL AND PHARMACAL ARTS.

Bevilacqua, Andrea, Genoa. Chemical products.
 Conti & Figlio, Livorno. Soaps and perfumes.
 Chiossa & Turchi, Ferrara. Soaps and perfumes.
 Fabbrica Candele Mira, Milan. Candles.
 Fabbrica Chimica Arenella, Palermo. Acids.
 Noberasco & Co., P. E., Cornigliano. Chemical products.
 Enrico Ganni, Livorno. Pigments.
 Officina Elettrotecnica Dott. Rossi, Legnano. Chemical products.
 Pojero & Co., R., Palermo. Sumach.
 Attilio Piazzi, Firenze. Drugs.
 Soc. Anonima Super, Milan. Chemical products.

GROUP 37.

MUSICAL INSTRUMENTS.

Carisch & Janichen, Milan. Musical instruments.
 Cassani & Co., Milan. Musical instruments.
 Farotti, Celeste, Milan. Musical instruments.
 Fratelli Bottali, A. M., Milan. Musical instruments.
 Mola, Cav. G., Turin. Musical instruments.
 Monsino & Figlio, A., Milano. Musical instruments.
 Pelitti, Ditta, Milan. Musical instruments.
 Rampone, Agostino, Milan. Musical instruments.
 Romeo, Pros. Orsi, Milan. Musical instruments.
 Sambruna, Camillo, Milan. Musical instruments.
 Tubi, Grazioni, Lecco. Musical instruments.

JAPAN

Location: Aves. B & B-C, bet. 5th & 7th Sts.

GROUP 20

TYPOGRAPHY—VARIOUS PRINTING PROCESSES.

Department of Communication—Postal stamps.
 Location: Palace of Manufactures.

GROUP 32

MANUFACTURE OF PAPER

Chitoge Gumi Dogyo Kumiai—Fukuoka-Ken.
 Copying papers and "Tengu" papers.

Goheika—Formosa. Tsuso paper. Agr. Pal.
 Gomeikaisha Kadota Shoten—Osaka-Fu. "Torinoko" papers.

Gomeikaisha Nakaishoten—Tokyo-Fu. Printing and copying papers.

Goshikaisha Sanritsu Shokai—Shizuoka-Ken. Papers (hand manufactured).

Harada Seishi Kabushiki Kaisha—Shizuoka-Ken. Copying papers and paper napkins.

Kabushiki Kaisha Iwai Shoten Kobe Shiten—Osaka-Fu. Celloids.

Kunisu Shigyo Kumiai—Nara-Ken. "Yoshino" papers and "Kunisu" papers.

Miura Goshi Kaisha—Kochi-Ken. Drawing papers, copying papers.

Rinnosuke Takeuchi—Tokyo-Fu. "Sakura" papers.

Sanjiro Matsui—Gifu-Ken. "Tengu" papers.
 Sekine, Bunzo—Formosa. Tsuso paper. Agr. Pal.

Seichi Tadokoro—Hyogo-Ken. Copying papers and "Tengu" papers.

Sethichi Mshikawa—Osaka-Fu. Drawing and blueprint papers.

Shinjiro Horii—Tokyo-Fu. Copying and printing papers.

Suda Shokai Shiten—Hyogo-Ken. Copying papers and "Tengu" papers.

Tosakami Kabushiki Kaisha Osaka Shiten—Osaka-Fu. Copying papers and "Tengu" papers.

Tosagami Kabushiki Kaisha Ino Kodyobu—Kochi-Ken. Drawing papers and copying papers.

Yahel Hayasaki—Osaka-Fu. "Yoshino" papers and waterproof papers.

Yechisen Seishi Kumiai—Fuku-Ken. "Torinoko" papers and "Gampi" papers, etc.

Yehimeken Kami Dogyo Kumiai Bengokai—Yehime-Ken. Copying papers.

Yonekichi Nambu—Miye-Ken. Papers (lacquer works) and their applied works.

Yoshino Shigyo Kumiai—Nara-Ken. "Yoshino" papers.

Yugensekinin Mino Yushitsushi Hambai Kumiai—Gifu-Ken. Copying papers.

GROUP 33

PHOTOGRAPHY

Dragon Shokai—Kyoto. Pictures.

Eiji Koshiba—Tokyo. Pictures.

Kabushiki Kaisha Shinbisha—Pictures.

Kyoto Sashingyo Kumiai—Photographs.

Nippon Shiki Seizo Kabushiki Kaisha—Pictures.

Rokuemon Konishi—Tokyo. Photographs.

Sajuro Kondo—Atlantic City. Photographs.

Takejiro Hasegawa—Tokyo. Pictures.

Totsuzo Misutani—Kanagawa. Pictures.

Teljiro Takagi—Hiogo. Photographs.

GROUP 34

INSTRUMENTS OF PRECISION, PHILOSOPHICAL APPARATUS, ETC., COINS AND MEDALS

Imperial Earthquake Investigation Committee—Seismological instruments, seismograms, photographs.

Imperial Mint—Coins, medals.

Kyoto Higher Technical School—Testing instruments.

Mitsuo Fujii—Tokyo. Prism filed glasses.

Tokyo Higher Technical School—Students' works.

GROUP 35

MEDICINE AND SURGERY

Genzo Shimazu—Kyoto. Transparent specimens.

Tokyo Imperial University—Models of animal organs.

GROUP 36

CHEMICAL AND PHARMACAL ARTS

Aibetsu Sonnokai—Hokkaido. Peppermint oil.

Asahi Shono Seisai Goshi Kaisha—Camphor.

Benzo Takikawa—Hiogo. Matches.

Bingo Hakka Dogyo Kumiai—Peppermint oil.

Choeichi Narukawa—Wakayama. Insect powder, incense.

Eiichiro Uyeyama—Wakayama. Insect powder.

Fukufi Koitabashi—Akita. Essence "Kuro-moji."

Fusakichi Iwata—Hokkaido. Peppermint oil.

Genjuro Ito—Osaka-Fu. Calcium acetate. Agr. Pal.

Goshikaisha Doi Shokai—Osaka. Matches.

Hichihei Nomura—Osaka. Incense.

Hichiroemon Misaki—Wakayama. Insect powder.

Hikomatsu Uyeyama—Wakayama. Insect powder.

Ikuno Seinen Kai—Hokkaido. Peppermint oil.

Industrial Bureau of the Government of Formosa—Camphor, camphor oil.

Isaburo Azumi—Osaka. Incense, insect powder.

Jinhichi Tsugawa—Osaka. Incense.

Jintaro Uyeyama—Wakayama. Insect flower.

Junichi Komori—Hiogo. Matches.

Kabushiki Kaisha Iwai Shoten Kobe Shiten—Osaka-Fu. Celloids.

Kamikawagun Kaminayose Sonnokai—Peppermint oil.

Keisuke Kobayashi—Kanagawa. Peppermint oil, menthol, essence "Kuro-moji."

Kenbuchi Sonnokai—Hokkaido. Peppermint oil.

Ken Yamamoto—Hokkaido. Peppermint oil.

Kichimon Kobayashi—Hiogo. Matches.

Kibachiro Misaki—Wakayama. Insect flower, powder.

Kobayashi Junan Oblate Sheizosho—Oblate.

Koei Goshi Kaisha—Osaka. Matches.

Kunio Narukawa—Wakayama. Insect powder, incense.

Manbei Koosaka—Hiroshima. Matches.

Naoyuki Kumagai—Kyoto. Incense.

Nippon Jochu Boeki Goshikaisha—Insect flower, powder.

Nippon Kamijiku Match Seizo Goshikaisha—Matches.

Nippon Match Seizo Kabushiki Kaisha—Matches.

Nippon Sakusan Seizo Kabushiki Kaisha—Tokyo-Fu. Calcium acetate and wood spirit. Agr. Pal.

Okayama-Ken Hakka Rengo Dogyo Kumiai—Peppermint oil.

Ryosui Goshi Kaisha—Matches.

Sakai Celloid Kabushiki Kaisha—Osaka-Fu. Celloids.

Sakutaro Satake—Hokkaido. Peppermint oil.

Seijiro Narugasawa—Hokkaido. Peppermint oil.

Seizo Uyeyama—Wakayama. Insect flower.

Shiromi Sonnokai—Okayama. Insect flower, powder.

Shotaro Tarui—Osaka. Incense.

Shutaro Kuroyanagi—Aichi. Fireworks.

Shuzo Mori—Tokushima. Fireworks.

Sosaburo Watanabe—Yamagata. Peppermint oil, menthol.

Takejiro Oomura—Aichi. Fireworks.

Tokorogun Notsukeushi Sonnekai—Peppermint oil.

Tomokichi Fujisawa—Osaka. Menthol.

Torakichi Onodera—Hokkaido. Peppermint oil.

Totaro Yazawa—Hiogo. Peppermint oil, menthol.

Unokichi Taneda—Osaka. Incense.

Yasutami Shimura—Hokkaido. Menthol.

Yoshi Ono—Kanagawa. Fireworks.

GROUP 37

MUSICAL INSTRUMENTS

Fukunosuke Ikejiri—Iiyogo. Guts.

Masakichi Suzuki—Aichi. Musical instruments.

Nippon Chikuonki Shokai—Kanagawa. Phonographs.

Saihei Hayashi—Tokyo. Guts.

Tomoyoshi Kobayashi—Aichi. Drums.

GROUP 38

ELECTRICAL METHODS OF COMMUNICATION

Department of Communication—Wireless telegraph.

GROUP 40

CIVIL AND MILITARY ENGINEERING

Osaka Municipality—Model of Osaka Castle

GROUP 41

MODELS, PLANS AND DESIGNS FOR PUBLIC WORKS

Kobe Municipality—Models of harbor.

Osaka Municipality—Maps, pictures, photographs.

Tokyo Municipality—Models, diagrams, photographs.

Yokohama Municipality—Model of Yokohama.

GROUP 42

ARCHITECTURE

Department of Home Affairs—Model of Nikko Shrine (Exhibited in Japanese Pavilion).

GROUP 43

Japan Central Tea Ass'n., The—Tokyo. Tea House. (Exhibited in Japanese Garden.)

NETHERLANDS

Location: Liberal Arts Palace, Av. C, 5th & 6th Sts.

GROUP 29.

TYPOGRAPHY—VARIOUS PRINTING PROCESSES.

Enschede & Zonen, Johan, Haarlem. Letter-types, printing material and art printing.

(Located in Netherlands Pavilion on Esplanade.)

GROUP 30.

BOOKS AND PUBLICATIONS—BOOK-BINDING.

Mouton & Co., The, Hague. Bookbinding.

GROUP 31.

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY.

City of Amsterdam, Amsterdam. Topographic relief map.

Java-China Japan Line, Hongkong. Topographic map in relief showing steamer routes.

Netherlands East Indian Committee, Buitenzorg. Marine charts.

Royal Packet S. S. Co., Amsterdam. Topographic relief map of Indian archipelago and steamer routes.

(Located in Liberal Arts Palace, Ave. C, 5th & 6th Sts.)

GROUP 32.

MANUFACTURE OF PAPER.

Enschede & Zonen, Johan, Haarlem. Money paper, stamps, etc.

Netherlands Government, The Hague. Various kinds of paper. Netherlands Pavilion.

GROUP 33.

PHOTOGRAPHY.

Netherlands East Indian Commission, Buitenzorg. Colored photographs.

GROUP 35.

MEDICINE AND SURGERY.

Koninklyke Fabriek Van Verbandstoffen, Voorheen Utermohlen & Co., Amsterdam. Bandages.

Pool & Zonen, L., Amsterdam. Tooth cleaning means, instruments of dentistry.

GROUP 36.

CHEMICAL AND PHARMACAL ARTS.

Koninklyke Stearinekaarsen Fabriek "Gouda." Gouda, glycerine, Stearine, etc.

Netherlands East Indian Commission. Rubber gum copal, etc.

Trading Company, The Hague. White ant powder.

GROUP 40.

CIVIL AND MILITARY ENGINEERING.

Smitt & Zonen, L., Amsterdam. Road machinery. (Located in Trans. Pal.)

GROUP 41.

MODELS, PLANS AND DESIGNS FOR PUBLIC WORKS.

City of Amsterdam, Amsterdam. Map of harbor.

City of Rotterdam, Rotterdam. Statistics, etc., relative to harbor.

Conrad, Werf, Amsterdam. Road machinery.

Netherlands East Indian Commission—Netherlands East Indies. Irrigation designs, drawings of seaports.

NEW ZEALAND

Location: New Zealand Pavilion, near Presidio Entrance, Opposite French Pavilion.

GROUP 29

TYPOGRAPHY—VARIOUS PRINTING PROCESSES

Department of Agriculture, Industries & Commerce—Wellington. Armorial bearings of "The Dominion of New Zealand" on celluloid.

Post and Telegraph Department—Wellington. Complete collection of postage stamps. Agr. Pal., Ays. C & D, bet. 6th & 8th Sts.

GROUP 33

PHOTOGRAPHY

Auckland Harbour Board—Auckland. Panoramic photograph.

Olydsdale Horse Society, The—Dunedin. Photographs. Agr. Pal., Ays. C & D, bet. 6th & 8th Sts.

Department of Tourists & Health Resorts—Wellington. Photographic enlargements. Panoramic photographs.

Hinge, Leslie—Christchurch. Photographic enlargements. Animal studies. Agr. Pal., Ays. C & D, bet. 6th & 8th Sts.

Hobday, B.—Feilding. Pictorial photography. Agr. Pal., Ays. C & D, bet. 6th & 8th Sts.

Kinnear, J. H.—Auckland. Marine photography. Agr. Pal., Ays. C & D, bet. 6th & 8th Sts.

Otago Harbour Board—Dunedin. Photographic enlargements.

Schmidt, H.—Auckland. Portraiture. Agr. Pal., Ays. C & D, bet. 6th & 8th Sts.

Taylor, S. B.—Wellington. Photographic enlargements.

Winkleman, H.—Auckland. Marine photography. Agr. Pal., Ays. C & D, bet. 6th & 8th Sts.

GROUP 37

MUSICAL INSTRUMENTS

Williamson, J.—Wellington. Violins. Agr. Pal., Ays. C & D, bet. 6th & 8th Sts.

NORWAY

Location Norway Pavilion, Presidio Entrance, near French Pavilion

GROUP 32.

MANUFACTURE OF PAPER.

Norwegian Paper Factories Assn., Kristiania. Samples of paper.

Norwegian Woodpulp Manufacturers' Assn. Kristiania. Samples of wood pulp.

PERU

Location: Liberal Arts Palace, West Ent.
No. 11

GROUP 33

PHOTOGRAPHY.

Hnos. Vargas—Arequipa. Colored Photographs.

PORTUGAL

(Location: Palace of Liberal Arts, Av. B-C
& 7th St.)

GROUP 29.

TYPOGRAPHY—VARIOUS PRINTING PROCESSES.

O Commercio do Porto, Oporto. Typographic works, newspaper.

Silva, Saldanha & Silva, Lisbon. Lithographic works.

GROUP 30

BOOKS AND PUBLICATIONS—BOOK-BINDING.

Biel & Ca., Emilio, Oporto. Art and the nature in Portugal.

Exploracao do Porto, Lisboa, Lisbon. Publications. Portuguese Pavilion.

Reparticao do Turismo, Lisbon. Publications.

Sociedade Propaganda de Portugal, Lisbon. Publications.

GROUP 31.

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY.

Victoria Pereira, J. E. Cacela de, Lisbon. Chart of Portugal in relief. Topographic maps.

GROUP 32.

PHOTOGRAPHY.

Alvao, Domingos, Oporto. Photographs.

Biel & Ca, Emilio, Oporto. Photographs.

Bobone, Octavio, Lisbon. Photographs.

Guedes, Paulo Emilio, Lisbon. Photographs.

Junta Geral Do Distrito De Ponto Delgada, Ponto Delgada. Photographs. Portuguese Pavilion.

Magalhaes Mario Silva, Tomar. Photographs.

Martins, Frederico Leonardo, Funchal. Photographs. Portuguese Pavilion.

Perestrelo & Foz. M. O., Funchal. Photographs. Portuguese Pavilion.

Portuguese Commission, Lisbon. Photographs. Portuguese Pavilion.

Reis, Aurelio Da Paz Dos, Oporto. Stereoscopic views.

Silva, J. Carlos, Lisbon. Photographs.

GROUP 41.

MODELS, PLANS AND DESIGNS FOR PUBLIC WORKS.

Administracao Do Porto De Lisboa, Lisbon. Plan of the port of Lisbon, photographs, statistics, publications concerning the same port.

GROUP 42.

ARCHITECTURE.

Adaes Bermudes, A. R., Lisbon. Plans and elevations.

Adaes Bermudes, A. R. and Couto Antonio Do, Lisbon. Plans and drawings of a palace for exposition and festivals.

Couto Antonio Do, Lisbon. Plans and drawings of the Pavilion of Portugal, P.-P. I. E.

Ventura Terra, Lisbon. Plans and elevations of the Palace of the National Congress at Rio Janeiro, Brazil.

SIAM

Location: Siamese Pavilion, Panama Avenue

GROUP 20

TYPOGRAPHY—VARIOUS PRINTING PROCESSES

Military Survey Department, The. Specimens of Typography.

GROUP 31

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY

Military Survey Department, The. Maps.

GROUP 33

PHOTOGRAPHY

Duke, A. H., Bangkok. Autochromes.

GROUP 36

CHEMICAL AND PHARMACAL ARTS

District of Sukhothai, Siam. Dyes. Agr. Pal.

Pradist Sukonta. Perfumes, Hair Lotions and Oils.

Royal Agricultural Department. Resin.

Siam Industries Syndicate. Various Soaps and Oils.

SPAIN

Location: Palace of Vases Industries, Av.
A & 4th St.

GROUP 30

BOOKS AND PUBLICATIONS—BOOK-BINDING

Dura, Simeon, Valencia. Illustrated Catalogue.

Espana y America, Cadiz. Magazine.

Mercurio, Cadiz. Magazine.

Novedades, Rambla de las Flores, Barcelona. Magazine.

GROUP 36

CHEMICAL AND PHARMACAL ARTS

Estrella, Julio Serrano, Valencia. Insecticides.

GROUP 37

MUSICAL INSTRUMENTS

Ibanez, Salvador, Valencia. Musical Instruments.

Sancho, Salvador, Valencia. Musical Instruments.

SWEDEN

The exhibits of Sweden, classified in this Department, are installed in the Swedish Pavilion, Avenue of Nations.

GROUP No. 30

BOOKS AND PUBLICATIONS, BOOK BINDING

Bonnier, Albert, Publisher, Stockholm, Sweden. Samples of books.

Bertells Tryckeri A.-B., A., Stockholm, Sweden. Publishers and printers of books and official maps.

Hedberg, Gustaf, Stockholm, Sweden. Samples of bookbinding.

Nordisk Familjeboks Förlags A. B., Stockholm, Sweden. Publishers of "Nordisk Familjebok," a Swedish Encyclopedia in 21 volumes.

GROUP No. 31

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY

Bertells Tryckeri A.-B., A., Stockholm, Sweden. Maps, Charts, and Atlases.

Grangesberg-Oxelösund Traffic Co., Ltd., The, Stockholm, Sweden. Relief map of Kilruna mining camp.

Central Association of Sweden for the Promotion of Sports, The, Stockholm, Sweden. Relief map of Stadium and surroundings.

Royal Board of Waterfalls, The, Stockholm, Sweden. Relief map of Trollhattan and Porjus waterfalls.

GROUP No. 32

MANUFACTURE OF PAPER

Association of Swedish Paper Mills, The, Stockholm, Sweden. Samples of paper, statistics and photographs.

Verkstad, A.-B. Karlstads Maskiniska, Karlstad, Sweden. Model of wood-pulp paper machine.

GROUP No. 33

PHOTOGRAPHY

Bakm, A. W., Malmö, Sweden. Photographs of the Swedish Royal Family.

Hallén, O., Stockholm, Sweden. Photographs of athletic sports.

Tourist Traffic Association, The, Stockholm, Sweden. Photographs of scenery in Sweden.

GROUP No. 34

INSTRUMENTS OF PRECISION, PHILOSOPHICAL APPARATUS, ETC., COINS AND MEDALS

Berg, Fr. J., Stockholm, Sweden. Magnetometers for determining the area, depth and extent of magnetic ore deposits; and Surveying Instruments.

Johansson, A.-B. O. B., Eskilstuna, Sweden. Standard combination gauges.

Johansson, Gustaf, Sundsvall, Sweden. Automatic recorder for woodworking machinery.

Skatmas Engineering Co., Ltd., The, Nyssa, Sweden. Assortment of scales for weighing materials.

Swedish Log Co., Ltd., The, Stockholm, Sweden. Complete log installation for vessels.

GROUP No. 36

CHEMICAL AND PHARMACAL ARTS

A.-B. Engineering Firm Frim Egnell, The, Stockholm, Sweden. CO₂ Recorder "Mono" for economising with fuel in boiler plants.

Landin, John, Stockholm, Sweden. Radium emanation generators (Landin system) for the purpose of giving radio-active qualities to water.

GROUP No. 39

ELECTRICAL METHODS OF COMMUNICATION

Ericsson & Co., Ltd., L. M., Stockholm, Sweden. Assortment of telephones and accessories.

Royal Telegraph Department, The, Stockholm, Sweden. Telephone switchboard, telephones and appliances.

GROUP No. 40

CIVIL AND MILITARY ENGINEERING

Alpha, A.-B., Stockholm, Sweden. Machines for testing materials.

GROUP No. 41

MODELS, PLANS AND DESIGNS FOR PUBLIC WORKS

Arcus Co., Ltd., The, Stockholm, Sweden. Model of reinforced-concrete bridge.

Grangesberg-Oxelösund Traffic Co., Ltd., The, Stockholm, Sweden. Model of ore-loading docks and ore-carrying steamers at Narvik.

Royal Board of Waterfalls, The, Stockholm, Sweden. Topographical relief map of Trollhattan, showing Gota Navigation Canal and Locks in same.

Royal Government Railroad Department, The, Stockholm, Sweden. Models of reinforced-concrete and steel bridges.

Skanska Cementgjuteriet Co., Ltd., The, Stockholm, Sweden. Plaster of paris models of hydro-electric power stations, and reinforced-concrete bridge.

URUGUAY

Location: Palace of Liberal Arts, 7th & 8th Sts. & Av. B

GROUP 29

TYPOGRAPHY—VARIOUS PRINTING PROCESSES

Barreiro & Co., Montevideo. Albums of Impressions and Monograms.

GROUP 30

BOOKS AND PUBLICATIONS—BOOK BINDING

Barreiro & Co., Montevideo. Books and Photographic Album.

Bureau of Expositions, Montevideo. Books.

De Arechaga, Dr. Justino Jimenes, Montevideo. Political Publications.

Estado Mayor General del Ejército, Montevideo. Publications.

Foreign Ministry, Montevideo. Bulletins. General Staff of the Army, Montevideo. Bulletins.

Historical National Archives and Museums, Montevideo. Reviews.

Industrial Uruguayan Union, Montevideo. Reviews.

Instituto de Química Industrial, Montevideo. Annual Memory.

Institute of Industrial Chemicals, Montevideo. Reports.

Ministerio de Relaciones Exteriores, Montevideo. Publications.

Ministry of Industries, Montevideo. Reports and Reviews.

Official Daily Paper, Montevideo. Publications.

Oficina de Verificación de Pesas y Medidas, Montevideo. Publications.

Sampognaro, Virgilio, Montevideo. Monography of Uruguay.

GROUP 31

MAPS AND APPARATUS FOR GEOGRAPHY, COSMOGRAPHY, TOPOGRAPHY

Commercial Section of Foreign Ministry, Montevideo. Maps.

Direction of Hydrography, Montevideo. Map. Geographical Service of the Army Staff, Montevideo. Map.

Meteorological Institute, Montevideo. Maps. Publications and Books.

Physical Climatological National Institute, Montevideo. Mural Graphic Maps.

Viuda de Meliton Gonzalez, Montevideo. Map.

GROUP 32

PHOTOGRAPHY

Bidegaray, Luis Baltran, Montevideo. Colored Views and Plates.

Civitate, Francisco, Montevideo. Framed Pictures.

GROUP 34

INSTRUMENTS OF PRECISION, PHILOSOPHICAL APPARATUS, ETC.,

COINS AND MEDALS

Bureau of Standard Weights and Measures, Montevideo. Publications.

GROUP 35

MEDICINE AND SURGERY

Bureau of Expositions, Montevideo. Surgical Instruments.

Dutto, Marco, Montevideo. Apparatus for Veterinary Surgery.

GROUP 36

CHEMICAL AND PHARMACAL ARTS

Baliarda & Co., Montevideo. Paraffine Candles.

Barreira & Son, Ramon, Montevideo. Putty. Benzo & Sons, Juan, Montevideo. Disinfectants.

Budetti, Angel, Colonia. Insecticides.

Bureau of Expositions, Montevideo. Insecticides.

Cooper & Nephews, William, Montevideo. Cooper Powders and Pastes.

Coppetti & Curci, Montevideo. Biological Products.

Faccio, Tomas, Montevideo. Medicines.

Farmacia "El Negro," Montevideo. Pharmaceutical Preparations.

Garicoits & Co., F., Montevideo. Kraffark Water.

Gonzalez, Matias, Montevideo. Drugs.

Laboratorio de Biología Aplicada, Montevideo. Biologic Preparations.

Roch, Capdeville & Co., Montevideo. Medicines.

Scarone & Co., Montevideo. Soaps.

Sena, Antonio, Montevideo. Glasses.

Strauch & Co., Montevideo. Creoline and Insecticides.

Valle, Juan L., Montevideo. Disinfectants.

Washington, Farmacia, Montevideo. Pharmaceutical Preparations.

GROUP 39

ELECTRICAL METHODS OF COMMUNICATION

National Inspection of Wireless Telegraphy, Montevideo. Photographs and Reports.

GROUP 41

MODELS, PLANS AND DESIGNS FOR PUBLIC WORKS

Coates Agencia, Montevideo. Map of Railways.

Direction of Public Roads, Montevideo. Maps.

Direction of Railroads, Montevideo. Maps.

"La Transatlantica"—Street Railway Enterprise, Montevideo. Maps and Photographs.

GROUP 42

ARCHITECTURE

Direction of Architecture, Montevideo. Drawings of Completed Buildings.

Official Catalogue of Exhibitors

Panama-Pacific International Exposition
San Francisco, California, 1915

CHARLES C. MOORE
President

Director-in-Chief
FREDERICK J. V. SKIFF

Division of Exhibits
ASHER CARTER BAKER, Director

Department **E**
MANUFACTURES
CHAS. H. GREEN, Chief

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PALACE OF MANUFACTURES



MANUFACTURES

Official Catalogue Department E

CLASSIFICATION OF EXHIBITS

Stationery, Desk Accessories, Artists' Materials.

Cutlery.

Silversmiths' and Goldsmiths' Ware.

Jewelry.

Clock and Watch Making.

**Objects Exhibited More for Their Ornamental
Design Than for Their Utility.**

**Ornamental Productions in Marble, Bronze,
Cast Iron and Wrought Iron.**

Leaded, Stained and Mosaic Glass.

**Brushes, Fine Leather Articles, Fancy Articles
and Basket Work.**

**Articles for Traveling and for Camping, India
Rubber and Gutta Percha Industries.**

Hunting Equipment and Products of Hunting.

Fishing Equipment and Products.

Toys.

**Permanent Decoration and Fixed Furniture for
Buildings and Dwellings.**

Office and Household Furniture and Utilities.

**Mortuary Monuments and Undertakers'
Furnishings.**

Hardware and Woodenware.

Electro-Thermal Apparatus.

Insulating Materials for Electricity.

Paper Hanging.

INTRODUCTION

Department of Manufactures

by
CHARLES H. GREEN, CHIEF.

The civilization of a nation is reflected by its manufactures. Science and industry, applied to natural resources, contribute to the development of mankind by lessening his burdens, allowing leisure for cultural pursuits with accumulative benefits affecting each succeeding generation.

The primary wealth of a nation lies in its natural resources. The increase of wealth through the transformation of raw material into finished articles of commerce in the United States alone in 1913 amounted to more than \$10,500,000,000. A further idea of the importance of manufacture is gained when the fact is recited that some 275,000 manufacturing concerns are interested in the display made at the Panama-Pacific International Exposition; that 6,000,000 wage-earners are on the payrolls of these establishments; and that approximately 100,000,000 consumers look to these industries for their supplies. The importance which manufacture assumes in the world's affairs is expressed in the number of exhibit palaces devoted to this use in the Panama-Pacific International Exposition. The Palace of Manufactures and the Palace of Varied Industries, containing the exhibits of the Department of Manufactures, adjoin the Tower of Jewels on the east, and facing the Avenue of Palms, form a quarter of the main group of Exhibit Palaces, the facade of each palace being of different design, to harmonize with the Court effect connecting the various palaces.

The interior construction is especially designed with regard to the requirements of exhibitors in the display of their products. The aisle plan is that of city blocks, all avenues running east and west; streets north and south.

The specific lines of trade represented in this mammoth display are manifold, covering hundreds of industries, including not only the goods one would find in the principal retail shops of a large city, but also everything that goes into the interior finish and decoration of public and private dwellings, including the plumbing, heating and ventilating, lighting, art wares, and certain forms of machinery.

The following classification, each item carrying numerous subdivisions, represents the general scope of products embraced in the Department of Manufactures and Varied Industries:

Stationery, Desk Accessories, Artists' Materials. Cutlery, Silversmiths' and Goldsmiths' Ware. Jewelry, Clock and Watch Making. Objects of Ornamental Design. Glass. Brushes, Fine Leather Articles, Fancy Articles and Basket Work. Traveling and Camping Articles. India Rubber and Gutta Percha Industries.

Hunting Equipment and Products of Hunting. Fishing Equipment and Products. Toys. Permanent Decoration and Fixed Furniture, Office and Household Furniture and Utilities. Mortuary Monuments and Undertakers' Furnishings. Hardware and Woodenware. Electro-Thermal Apparatus. Insulating Materials for Electricity. Paper Hanging. Carpets, Tapestries and Fabrics for Upholstery. Upholsterers' Decorations. Ceramics. Plumbing and Sanitary Materials. Glass and Crystal. Heating and Ventilating Apparatus and Processes. Gas in Various Phases. Lighting Methods and Apparatus. Textile Materials, Spinning and Rope Making. Equipment and Processes in Textile Manufacturing. Equipment and Processes for Finishing Textiles. Sewing Equipment and Processes. Threads and Cotton Fabrics. Threads and Fabrics of Flax, Hemp, etc. Cordage, Yarns and Fabrics of Animal Fibres. Silk and Silk Fabrics. Laces, Embroidery, Trimmings. Industries Producing Wearing Apparel. Furs and Skins, Fur Clothing. Leather, Boots and Shoes. Various Industries Connected with Clothing. Safety Appliances.

In the Palace of Manufactures proper, where the idea of utility controls, there are two great divisions; one inclusive of heating, hardware, glass, lighting and merchandise in woods and metals; in the other, clothing, textiles, etc. In the Palace of Varied Industries, where ornamentation of the beautiful controls, are installed the articles which add to use, such as the contents of the House Beautiful.

Of the total vast area embraced within the spacious confines of these great structures, 55 per cent of the floor space is given over to the exhibition of the products of American manufacturers, and 45 per cent to those of the foreign nations. The United States exhibits are arranged in industrial groups, while the foreign displays are classified according to nationality.

HOW TO LOCATE AN EXHIBIT

The Palace of Manufactures is laid out in blocks, which are consecutively numbered from 1 to 33, inclusive, as shown on the floor plan. The aisles are designated as streets (First to Eighth) running north to south, and as avenues (A to D), from east to west. To locate an exhibitor refer to the name, alphabetically arranged under the exhibit group to which each belongs in the official classification, and note the aisles location following each name. Street and Avenue signs are erected at their intersection on the corners of all blocks.

All Exhibits entered in this Catalogue are located in the Palace of Manufactures, **unless otherwise indicated** after the entry. The following are abbreviations used in this Catalogue to designate other Exhibit Palaces:

Fine Arts Palace.....	Fn. A. Pal.
Education Palace	Ed. Pal.
Liberal Arts Palace.....	Lb. A. Pal.
Manufactures Palace	Mfr. Pal.
Varied Industries Palace.....	V. I. Pal.
Machinery Palace	Mch. Pal.
Transportation Palace	Trns. Pal.
Agriculture Palace	Agr. Pal.
Food Products Palace.....	Fd. Pr. Pal.
Live Stock Palace.....	Lv. St. Pal.
Horticulture Palace	Hor. Pal.
Mines and Metallurgy Palace.....	Min. Pal.

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DEPARTMENT OF MANUFACTURES

Official Classification of Exhibits

DEPARTMENT E

GROUP 44

STATIONERY, DESK ACCESSORIES, ARTISTS' MATERIALS

- Class 216.** Equipment for and processes used in making or preparing stationery, account books, copy books, envelopes, bags, wrappers.
- Class 217.** Made-up paper and card-board; ruled, bordered or ornamented paper, note paper, envelopes, pockets, bags; school copy books, memorandum books, note books, letter-copying books, account books, book covers; menu cards, playing cards, paper boxes, cases; packages of cigarette papers, etc.
- Class 218.** Desk furnishings, inks, pens, pencils, penholders, crayon holders, wax and wafers, paper weights, ink stands, letter presses, etc.
- Class 219.** Artists' materials for painting, architecture, sculpture, pyrography, and drawing; canvases, panels, crayons, brushes, hair pencils; mathematical instruments for architects, etchers, engravers, burners, sculptors; tracing papers and cloths; parchments; colors, varnishes, charcoals, pastels, stumps, lay figures, easels; color boxes and other artists' material not named above.

GROUP 45

CUTLERY

- Class 220.** Special equipment for the manufacture, grinding and polishing of cutlery.
- Class 221.** Table cutlery, pocket knives, knives with fixed blades.
- Class 222.** Cutlery for gardens, and for various trades.
- Class 223.** Scissors and work-box accessories.
- Class 224.** Razors of all kinds.
- Class 225.** Fine cutlery in polished steel.
- Class 226.** Small silversmiths' ware.
- Class 227.** Side arms of all kinds.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

(Appliances, Processes and Products.)

- Class 228.** Special equipment for manufacture, hand tools; outfits for casting machinery (lathes, scales, etc.); outfits for electro-plating, etc. Methods of work.
- Class 229.** Goldsmiths' and silversmiths' work for religious or common uses in gold, silver, bronze or other metal; plated ware; articles gilt or silver-plated by any process.
- Class 230.** Enameled work: goldsmiths' enamel; enamels painted upon metal.

GROUP 47

JEWELRY

(Equipment, Processes and Products.)

- Class 231.** Special equipment. Methods of work.
- Class 232.** Fine jewelry; gold and silver jewelry; jewelry in platinum, aluminum, etc.; jewelry set with precious stones; jewelry in debased gold for exportation.
- Class 233.** Lapidary work; diamond cutting; cutting of gems; engraving of fine stones; engraving of hard cameos and of shells.
- Class 234.** Imitation lapidary work. Imitation of precious stones, pearls, etc.
- Class 235.** Gilt jewelry; imitation jewelry in copper and other metals; steel jewelry; mourning jewelry in jet and glass; jewelry in coral, amber, mother-of-pearl, etc.

GROUP 48

CLOCK AND WATCH MAKING

(Equipment, Processes and Products.)

- Class 236.** Special equipment for manufacturing clocks and watches; hand tools; machine tools (lathes and other tools); measuring instruments.
- Class 237.** Preparation of various metals used by watch and clock makers; separate parts of watch and clock work; springs; watch cases in precious or common materials; holes and fittings in rubies or in other jewels; enameled or other dials, etc.
- Class 238.** Clocks for churches and public buildings, time recorders.
- Class 239.** Astronomical clocks. Marine chronometers.
- Class 240.** Clocks moved by electricity, air or water.
- Class 241.** Ornamental clocks and timekeepers; regulators; alarm clocks.
- Class 242.** Watches, pocket chronometers; watchmen's time registers.
- MS.** Metronomes, various recording instruments. Clepsydras and hour glasses.

Things connected with clock work.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

- Class 245. Special designs and patterns in glass.
 Class 246. Special designs in earthenware, pottery or porcelain.
 Class 247. Special designs in metal.
 Class 248. Special designs in leather.
 Class 249. Special designs in wood.
 Class 250. Special designs in textiles.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON

(Equipment, Processes and Products.)

- Class 251. Special equipment for the manufacture of ornamental metal objects; types of foundries; patterns and moulds. Outfit for and specimens of repoussé work; processes for mechanical reduction.
 Class 252. Reproductions of works of art in marble, stone, plaster, terra cotta, wax, etc. Ornamentally stamped and damascened metals.

GROUP 51

LEADED, STAINED AND MOSAIC GLASS

- Class 253. Glass for churches, public buildings and private dwellings. Specimens of various kinds of glass used for decorative windows. Special enamels.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

(Equipment, Processes and Products.)

- Class 254. Equipment and methods used in the manufacture of brushes, fine leather articles, fancy articles and basket work.
 Class 255. Brushes; toilet brushes designated as fine brushes; brushes for household, harness and stable use, etc., designated as coarse brushes; brushes for house painting, designated as paint brushes; feather brushes; brooms; floor brushes.
 Class 256. Fine leather goods; scabbards, portmonnaies, portfolios, toilet cases, note book covers, cigar cases, small objects and fancy articles in skins; clasps for portmonnaies and handbags.
 Class 257. Fancy articles; work boxes and small fancy furniture; liquor cases, glove boxes, jewel cases; turned articles, engine turned, carved, engraved in ivory, tortoise shell, mother-of-pearl, etc., pipes and smokers' articles, snuff boxes; toilet and other combs in ivory, tortoise shell, horn, celluloid, boxwood, etc.; various articles in lacquer work, small bronzes.
 Class 258. Basket work; basket and hampers for common use; fancy baskets for confectioners, for household use, traveling, etc.

GROUP 53

ARTICLES FOR TRAVELING AND FOR CAMPING. INDIA RUBBER AND GUTTA PERCHA INDUSTRIES

- Class 259. Trunks, valises, bags, satchels, baskets, dressing and traveling cases; packing cases and boxes; shawl straps, etc. Locks and other fittings for trunks, valises, etc. Cushions, Alpenstocks, grapnels, parasols. Various requisites for travelers.
 Class 260. Portable equipment specially prepared for traveling and for scientific expeditions; outfits for geologists, mineralogists, naturalists, colonists, pioneers, explorers, etc.
 Class 261. Tents and accessories. Beds, hammocks, seats, folding chairs, and other camp furniture and equipment. Portable houses.
 Class 262. Tents and furniture of military types.
 Class 263. Equipment and methods used in the manufacture of India rubber and gutta percha goods.
 Class 264. Commercial products of the India rubber and gutta percha industry. Waterproof clothing and boots and shoes. Rubber floor covering. Substitutes for rubber.

GROUP 54

HUNTING EQUIPMENT AND PRODUCTS OF HUNTING

- Class 265. Sportsmen's and trappers' arms and accessories; sportsmen's ammunition.
 Class 266. Hunting equipment; appliances for training dogs.
 Class 267. Material, dress and equipment for games and sports. Sporting goods and supplies; tracks paraphernalia.
 Class 268. Skins and furs in the rough; skins prepared for the furrier. Taxidermists' work.
 Class 269. Horn, ivory, bone, tortoise shell.

GROUP 55

FISHING EQUIPMENT AND PRODUCTS

- Class 270. Floating appliances used in fishing. Nets, tackle, boats; devices and implements for sea fishing. Nets, traps and appliances for fresh water fishing.
 Class 271. Anglers' apparel, rods, reels and lines.
 Class 272. Machines and equipment for making nets.
 Class 273. Sea and fresh water pearls; pearl shells and mother-of-pearl; sponges; corals.

**GROUP 56
TOYS**

- Class 274. Equipment and processes used in the manufacture of toys.
Class 275. Playthings: dolls, talking dolls and accessories, playthings in metal, dolls' dinner and tea services, children's watches, mechanical toys, arms and equipment for children, musical instruments, dolls' furniture, horses, animals, carts, toys in India rubber and in gold beaters' skin, scientific and educational toys. Games, Children's books.

GROUP 57

PERMANENT DECORATION AND FIXED FURNITURE FOR BUILDINGS AND DWELLINGS

- Class 276. Plans, drawings and models of interior decorations.
Class 277. Carpentry; models of frame work, roof work, vaults, domes, wooden partitions, etc.
Class 278. Ornamental joiner work; doors, windows, panels, inlaid floors, organ cases, choir stalls, etc.
Class 279. Permanent decorations in marble, stone, plaster, papier-maché, carton pierre, etc.
Class 280. Ornamental carvings and pyrographics.
Class 281. Iron work and locksmiths' work applied to decoration; grill work and doors in cast or wrought iron; doors and balustrades in bronze; roof decoration in lead, copper, zinc; dormers, spires, finials, vanes; crest and ridge work.
Class 282. Decorative paintings on stone, wood, metal, canvas or other surfaces. Signs of all varieties.
Class 283. Mosaic decorations in stone or marble for flooring; enameled mosaic for walls and vaulted surfaces.
Class 284. Various applications of ceramics to the permanent decoration of public buildings and dwellings. (See also Ceramics.)

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

- Class 285. Sideboards, bookcases, tables, stands, beds, mirrors, desks, files, filing systems, cabinets, wardrobes, chiffoniers, chairs, settees, couches and lounges, billiard tables, etc.; vacuum cleaners, carpet sweepers, washing machines, etc.

GROUP 59

MORTUARY MONUMENTS AND UNDERTAKERS' FURNISHINGS

- Class 286. Marble, stone and metal monuments; mausoleums and fittings.
Class 287. Coffins, caskets and undertakers' furnishing goods.

GROUP 60

HARDWARE AND WOODENWARE

- Class 288. Special tools (not included in the class of machine tools) used by smiths, farriers, bolt makers, screw cutters, wire drawers, nail makers, buckle makers, chain makers, copper-smiths, tin-smiths, edge tool makers, iron founders, ironmongers, locksmiths, model makers, etc.
Class 289. Hardware not otherwise provided for, made of plates, forgings, or castings. Fittings, cocks, taps, etc. Bells; buckles; machine-made bronzes; shoes for horses and for other animals; flatirons, etc.
Class 290. Bolts, nuts and screws for wood or metal.
Class 291. Products of nail making and wire drawing; nails, brads, tacks, staples; wire ropes, barbed wire, wire fencing, wire cloth, and wire gauze; wire springs; rings and hooks.
Class 292. Chain making products and kindred industries.
Class 293. Metal plates, flanged, stamped, decorated, perforated, etc., builders' work in sheet metals.
Class 294. Enameled plates and castings for buildings, household and general use.
Class 295. Hollow ware (cast or pressed) plain, polished, japanned, enameled, granitized or porcelain lined. Metal household utensils.
Class 296. Articles from the re-manufacture of sheet metals, produced by cutting, drawing, stamping, spinning; including caps, ferrules, small boxes, cans, metal vessels, lamp shades, etc.
Class 297. Woodworking hand tools: axes, adzes, hatchets, chisels, planes, boring tools, saws, hammers, etc.
Class 298. Builders' and upholsterers' hardware: fittings and fastenings for doors, windows, etc.; casters, clamps, brackets, pulls, etc.
Class 299. Safes, safety vaults and accessories; safe locks.
Class 300. Metal work (cast, wrought, or wire) for stair railings, balusters, gratings, balconies, grill work, etc.
Class 301. Metal work (plated, enameled, etc.) for bed-stands, gas and electric light fixtures, stove fixtures, cash carriers, etc.
Class 302. Summer houses and pavilions in metal; lawn bird cages, aviaries, awnings, awning fittings, verandas.
4. Metal shutters for windows, doors; screens and Venetian blinds.

- Class 304. Various products of exact rolling or of beating of gold, silver and tin; metallic foils.
- Class 305. Various hardware products of gilding, silver-plating, copper-plating, bronzing, galvanizing, nickel-plating, electro-plating.
- Class 306. Woodenware for household use. Miscellaneous manufactured articles of wood not otherwise classified. Baskets and boxes of split wood.

GROUP 61

ELECTRO-THERMAL APPARATUS

- Class 307. Electric cooking devices, clothes pressing irons, air heaters, etc.

GROUP 62

INSULATING MATERIALS FOR ELECTRICITY

- Class 308. Insulating materials of mica, glass, rubber, porcelain and other substances; insulating compounds and fabrics. (For devices made of insulating materials see Class 510.)

GROUP 63

PAPER HANGING

(Raw Materials, Equipment, Processes and Products.)

- Class 309. Special raw materials used in the manufacture of wall paper.
- Class 310. Machinery for printing wall paper and fancy papers. Machines for engraving printing rollers. Flat wood blocks or copper plates, engraved by hand. Drawing pens. Machines for varnishing, glazing, calendering, embossing, gilding, flocking, rolling and cutting.
- Class 311. Special brushes and cloths used in the laying of wall paper.
- Class 312. Stained papers, printed papers. Flocked, marbled, veined, gilt, enameled and glazed paper. Imitations of wood, leather and tapestry.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

(Materials, Equipment, Methods and Products.)

- Class 313. Special machinery for the manufacture of carpets and tapestry; high warp looms, low warp looms, bobbin-winders, etc.
- Class 314. Carpets, moquette, tapestry, brussels, or velvet. Felt carpets, mats, etc.
- Class 315. Furniture and wall covering materials in silk, wool, cotton, linen, jute, ramie, grass, plain, mixed, brocaded, printed, embroidered. Horse-hair cloths, vegetable leather, moleskin, etc. Leather for hangings and for covering furniture. Oil cloths, linoleums and similar floor coverings.

GROUP 65

UPHOLSTERERS' DECORATIONS

- Class 316. Decoration for public and private festivals, for religious services, etc. Bunting, flags.
- Class 317. Bed furnishings; upholstered chairs; canopies, curtains, window shades and fittings; hangings of cloth or tapestry; frames, etc.

GROUP 66

CERAMICS

(Raw Materials, Equipment, Processes and Products.)

- Class 318. Raw materials, particularly chemical products used in ceramic industries.
- Class 319. Equipment and methods used in the manufacture of earthenware; machines for turning, pressing and moulding earthenware; furnaces, kilns, muffles, and baking apparatus for earthenware; appliances for preparing and grinding enamels.
- Class 320. Various porcelains.
- Class 321. Bisque of porcelain and of earthenware.
- Class 322. Earthenware of white or colored body, with transparent or tin glazes. Faience.
- Class 323. Earthenware and terra cotta for agricultural purposes.
- Class 324. Stoneware, plain and decorated.
- Class 325. Tiles, plain, encaustic and decorated; mosaics, tiles and bricks for floors. (See also Group 153.)
- Class 326. Fire-proof materials. (See also Group 153.)
- Class 327. Statuettes, groups and ornaments in terra cotta.
- Class 328. Enamels applied to ceramics.
- Class 329. Borders for fireplaces and mantels.

GROUP 67

PLUMBING AND SANITARY MATERIALS

- Class 330. Sanitary earthenware; bathing apparatus and attachments; sanitary fittings, laundry tubs, basins, cocks, draws, etc.; sewerage apparatus and appliances.

**GROUP 68
GLASS AND CRYSTAL**

(Raw Materials, Equipment, Processes and Products.)

- Class 331. Raw materials and particularly chemical products used in the manufacture of glass.
- Class 332. Equipment and processes used in the manufacture of glass and crystal; equipment for the preparation of raw materials; furnaces; blowing apparatus; moulds; lathes for engraving and shaping; apparatus for cutting and for casting, etc.
- Class 333. Window glass, white or colored, fluted, curved, enameled, etc. Glass for photography.
- Class 334. Plate glass, rough or polished. Silvered glass. Glass for pavements. Mirrors for projections. Glass with surface in relief.
- Class 335. Table glass; glass crystal, white or colored, cut or engraved; glassware and glass apparatus for scientific uses.
- Class 336. Ornamental glass. Fused quartz products.
- Class 337. Bottles.
- Class 338. Enamels; their application to glass.
- Class 339. Mosaics of glass. (Architectural mosaics excepted.)
- Class 340. Imitation of precious stones.
- Class 341. Watch glasses.
- Class 342. Glass used for optical purposes; spectacle glass. Lens grinding machinery.

GROUP 69

APPARATUS AND PROCESSES FOR HEATING AND VENTILATION

- Class 343. Plans and models showing methods of heating buildings, including public buildings, factories, dwelling houses. Plans and models for sanitation and ventilation of kitchens and small living rooms.
- Class 344. Methods of conveying and distributing steam, hot water and hot air, used separately or in combination.
- Class 345. Plans, methods and equipment for natural ventilation; ventilation by exhaustion; updraft ventilators; ventilators operated by wind or by difference of temperature; ventilation by mechanical means and their combination.
- Class 346. Stoves, furnaces and boilers, peculiar to the various systems of hot air, hot water and steam heating. Heating stoves using wood, coal, gas or other fuel. Fittings for same.
- Class 347. Radiators of heat used in connection with heating systems.
- Class 348. Kitchen ranges and fittings, steam cooking ranges, hot water boilers, combined cooking and heating stoves, special forms of cooking stoves and apparatus. Ranges and other kitchen equipment for preparing food in large quantities. Cooking utensils.
- Class 349. Accessories to heating and ventilation. Measuring and registering apparatus; ordinary and self-registering thermometers, pyrometers, anemometers; regulators of temperature, of draft, of pressure; automatic drip cocks and air cocks, cocks especially fitted for heating apparatus, electric thermostats.
- Class 350. Chimney fittings. Dampers for chimneys, flue stoppers, special sheet iron chimney pots. Openings for hot air and ventilation; gratings and plates.
- Class 351. Stoves and chimneys in earthenware. Fireplace and chimney pottery. Earthenware and refractory materials for heaters, stoves and chimneys.
- Class 352. Hearth furnishings: fire lighters; ash sifters; utensils for cleaning and repairing heaters and stoves; other accessories.

GROUP 70

MANUFACTURE, DISTRIBUTION AND USES OF GAS FOR LIGHT AND FUEL

- Class 353. Manufacture of gas: processes and apparatus for manufacturing gas from coal; processes and apparatus for manufacturing water gas; processes and apparatus for manufacturing oil gas; apparatus and materials for the physical and chemical cleansing of gas; apparatus for testing crude materials and manufactured gas.
- Class 354. Distribution of gas: pipe, pipe fittings, valves, pressure-regulating apparatus; tools used in laying mains or services; meters and gas measuring apparatus; appliances for the transmission of gas, including exhausters and compressors. (See Class 464.)
- Class 355. Uses of gas: incandescent gas lamps and mantels, gas burners, and appliances for gas lighting; appliances for cooking by gas; appliances for heating by gas, including water heaters and hot air furnaces; appliances for utilizing gas for industrial purposes.

GROUP 71

APPARATUS AND METHODS FOR LIGHTING, NOT OTHERWISE CLASSIFIED

- Class 356. Lighting by means of vegetable or mineral oils, petroleum, shale heavy oil, heavy oil sprayed. Lamps, burners, wicks, lamp chimneys, and other accessories. Apparatus for domestic, industrial and public lighting.
- Class 357. Lighting by acetylene gas or vaporized gasoline, alcohol, etc. Lamps, burners, chimneys, and other accessories and apparatus for domestic, industrial and public lighting.
- Class 358. Accessories to lighting: lighters, glasses, globes, shades, reflectors, screens, v consumers, chandeliers and fixtures.

GROUP 72

TEXTILE MATERIALS, SPINNING AND ROPE MAKING*

- Class 359. Machinery and apparatus used in preparing and spinning textile materials. Specimens of materials showing progress of work.
- Class 360. Detached parts of spinning machinery and special machines for their manufacture.
- Class 361. Apparatus used in subsequent operations; spooling, winding, twisting, throwing. Mechanical finishing of goods.
- Class 362. Apparatus for sorting, testing and registering. Apparatus for perfecting. Equipment for making cordage.

GROUP 73

EQUIPMENT AND PROCESSES USED IN THE MANUFACTURE OF TEXTILE FABRICS*

*Textile machinery not in operation as part of a process exhibit will be installed in Machinery Hall.

- Class 363. Apparatus used in operations preliminary to weaving; machines for warping, cop winders. Card preparing machines.
- Class 364. Hand and power looms for weaving plain cloths. Looms for weaving brocaded and embroidered fabrics, box looms.
- Class 365. Knitting machinery for hosiery. Machinery for making lace and tulle. Machinery for making trimmings.

GROUP 74

EQUIPMENT AND PROCESSES USED IN BLEACHING, DYEING, PRINTING AND FINISHING TEXTILES IN THEIR VARIOUS STAGES

- Class 366. Apparatus for singeing, brushing and shearing textile fabrics.
- Class 367. Apparatus for washing in lye, scouring, washing, drying and moistening various textile materials, whether matted, combed in thread or in web.
- Class 368. Apparatus for boiling and staining dye stuffs and stuffs for thickening fabrics.
- Class 369. Equipment for engraving in relief, or in incised work patterns, for printing on textiles.
- Class 370. Machines for starching, dyeing or printing. Apparatus for steaming.
- Class 371. Machinery of all kinds for finishing goods, for fulling, and for teasing; tenter-frames, calenders, machines for glazing, watering, embossing, beetling. Machines for measuring, folding, etc.
- Class 372. Appliances used for dyeing silks, for heating, shaking up, pinning out, lustering, etc.
- Class 373. Sweating boxes for thickening, apparatus for spotting, apparatus for bleaching by electricity.
- Class 374. Equipment and processes for laundry work. Washing and rinsing, bluing, drying, bleaching, ironing and finishing.
- Class 375. Industry of the dyers and scourers; dry cleaning by benzine and by other substances; cleaning by wet process; dyeing, pressing.
- Class 376. Specimens of textile materials bleached or dyed before spinning.
- Class 377. Specimens of threads or yarns of cotton, linen, wool, silk, etc., pure or mixed, bleached, dyed or mottled.
- Class 378. Specimens of textile fabrics bleached, dyed or printed.
- Class 379. Specimens of threads, yarns or fabrics which have been sized.
- Class 380. Specimens of chemical thickening of textile materials before they have been spun or woven.

GROUP 75

EQUIPMENT AND PROCESSES USED IN SEWING AND MAKING WEARING APPAREL

- Class 381. Common implements used in needle work.
- Class 382. Machines for cutting cloth, skins and leathers.
- Class 383. Machines for sewing, stitching, hemming, embroidering, etc.
- Class 384. Machines for making button-holes; for sewing gloves, leather, etc.; for plaiting straw.
- Class 385. Tailors' geese, flatirons and equipment.
- Class 386. Busts and figures for trying on garments.
- Class 387. Machines for plaiting straw for hats and making hats of straw, felt, etc.

GROUP 76

THREADS AND FABRICS OF COTTON

- Class 388. Cotton prepared and spun.
- Class 389. Fabrics of cotton, pure or mixed, plain or figured, unbleached, dyed or printed.
- Class 390. Cotton velvets.
- Class 391. Cotton ribbons.
- Class 392. Counterpanes.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC.; CORDAGE

- Class 393. Thread of flax, hemp, jute, ramie and other vegetable fibers.
 Class 394. Plain and figured canvas. Ticking. Damask linen. Cambrics and lawns. Plain and fancy handkerchiefs.
 Class 395. Fabrics of flax, or hemp, mixed with cotton or silk.
 Class 396. Fabrics and vegetable fibres other than cotton, flax, hemp, jute or ramie.
 Class 397. Cordage, cables, rope, twine, etc.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBERS

- Class 398. Combed animal fibers. Yarn of combed animal fibers.
 Class 399. Carded animal fiber. Rovings unbleached or dyed. Yarn of carded animal fibers.
 Class 400. Cloths of combed or carded animal fibers.
 Class 401. Cloths for ladies' wear, made from animal fiber.
 Class 402. Dress goods of combed or carded animal fibers, mixed with cotton or silk.
 Class 403. Muslin delaine, tweeds, merinos, china-satins, serges, mohairs, etc.
 Class 404. Fabrics of carded animal fibers, not fullled or slightly fullled; flannels, tartans, molletons, etc.
 Class 405. Knitted stuffs in combed or carded animal fibers.
 Class 406. Shawls of animal fibers, pure or mixed. Cashmere shawls.
 Class 407. Ribbons and braids of animal fibers, pure or mixed with cotton, flax, silk or floss silk.
 Class 408. Fabrics of hair, pure or mixed.
 Class 409. Blankets.
 Class 410. Felts of animal fibers for carpets, hats, boots and shoes, etc.

GROUP 79

SILK AND FABRICS OF SILK

- Class 411. Silk raw, thrown, twisted.
 Class 412. Floss silk and silk waste.
 Class 413. Threads of floss silk and silk waste.
 Class 414. Artificial silks.
 Class 415. Fabrics of pure silk, silk floss, or silk waste; fabrics of silk or silk floss mixed with gold, silver, wool, cotton, thread, etc., plain, figured, or brocaded, unbleached, dyed or printed.
 Class 416. Velvets and plushes.
 Class 417. Ribbons of silk, or silk floss, pure or mixed.
 Class 418. Shawls of silk or silk floss, pure or mixed.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

- Class 419. Lace made by hand; laces, blonde or guipure, wrought on pillow or with the needle or crochet, made of flax, cotton, silk, wool, gold, silver or other threads.
 Class 420. Laces made by machinery: tulle, plain or embroidered; imitation lace, blonde and guipure, in thread of every kind.
 Class 421. Embroidery made by hand: embroidery by needle or crochet with thread of every kind, on all kinds of grounds (fabric, net, tulle, skin, etc.) including needle work upon canvas as well as embroidery appliqué, or ornamented with gems, pearls, jet, spangles of metal, or other material, feathers, shells, etc.
 Class 422. Embroidery made by machinery, with the foundation preserved, or with the foundation cut or burned away.
 Class 423. Trimmings: galloons, lace or braids, fringes, tassels, all kinds of appliqué and ornamental work, hand-made or woven, for millinery or garments, ecclesiastical vestments, civil or military uniforms: for furniture, saddlery, carriages, etc. Threads and plates of metal, gold or silver, real or imitation, spangles, chenilles, and all other articles used for trimmings.
 Class 424. Church embroidery: church ornaments and linen; altar cloths, banners and other objects for religious ceremonies in fabrics, ornamented with lace, embroideries and trimmings.
 Class 425. Curtains with lace, guipure, or embroidery, upon tulle or fabrics; blinds, screens, portieres, lambrequins, and other draperies, ornamented with lace, embroidery and trimmings.

GROUP 81

INDUSTRIES PRODUCING WEARING APPAREL FOR MEN, WOMEN AND CHILDREN

- Class 426. Clothing to measure for men and boys; ordinary costumes, suits for hunting and riding, leather breeches and similar articles, suits for gymnastic uses and games, military and civil uniforms, campaign clothing of special types, robes and costumes for magistrates, members of the bar, professors, ecclesiastics, etc., liveries, various costumes for children.
 Class 427. Clothing, ready made for men and boys.
 Class 428. Clothing to measure for women and girls; dresses, vests, jackets, cloaks (made by ladies' tailors, dress makers, or cloak makers), riding habits, sportwear -
 22. Clothing ready made for women and girls. Patterns.

GROUP 82

FURS AND SKINS, FUR CLOTHING; LEATHER, BOOTS AND SHOES

- Class 430. Furs and skins, dressed and tanned.
Class 431. Fur clothing, caps, hats, hoods, gloves, boots, etc.
Class 432. Fur mats and robes; fur trimmings.
Class 433. Leather in every variety; tanned, curried, enameled, patent leather, wash leather, etc.
Class 434. Machines for cutting and preparing parts of boots or shoes; machines for sewing boots or shoes; machines for lasting, pegging, nailing, screwing.
Class 435. Boots and shoes, for men, women and children; boots, bootees, shoes, slippers, pumps, overshoes, soles, accessories, etc.; gaiters.
Class 436. Military and naval campaign footwear.
Class 437. Gloves made of skins.

GROUP 83

VARIOUS INDUSTRIES CONNECTED WITH CLOTHING

- Class 438. Hats; hats of felt, wool, straw, or silk; caps; trimmings for hats.
Class 439. Artificial flowers for dressing the hair, for dress, and for all other uses. Feathers. Millinery. Hair: coiffures, wigs and switches.
Class 440. Shirts and underclothing for men, women and children.
Class 441. Hosiery and gloves of cotton, wool, silk and floss silk, etc., knitted hosiery; cravats and neck-ties.
Class 442. Corsets.
Class 443. Elastic goods, suspenders, garters, belts.
Class 444. Canes, whips, riding whips, sun-shades, parasols, umbrellas.
Class 445. Buttons: buttons of china, metal, cloth and silk, mother-of-pearl, and other shell, ivory-nut, horn, bone, papier-maché, etc.
Class 446. Buckles, eyelets, hooks and eyes, pins, needles, etc.
Class 447. Fans and handscreens.

GROUP 84

SAFETY APPLIANCES

- Class 448. Safety appliances and devices for protection of those engaged in manufacturing work and processes, not exhibited in connection with machines. (See also Classes 472 and 476.)

DEPARTMENT E—MANUFACTURES

UNITED STATES

Heating, Hardware, Glass, Lighting and Merchandise in Woods and Metals, Etc., Leather, Boot and Shoes, Carpets, Rugs and Furniture

GROUP 44

STATIONERY, DESK ACCESSORIES, ARTISTS' MATERIALS

American Crayon Co., The, Sandusky, Ohio.
Crayons. Ed. Pal., Av. B & 8th St.
Armstrong Cork Co.—Pittsburgh, Pa. Penholder Corks. Mfr. Av. A & 6th St.
Crocker, H. S., Company—San Francisco, Cal. Envelope Sealers. Lb. Arts Pal., 1st St. bet. Avs. C & D.
Gnu Sales Co.—San Francisco, Cal. Note Books. Lb. Arts Pal., 1st St., bet. Avs. C & D.
Kalamazoo Vegetable Parchment Co.—Kalamazoo, Mich. Made-up Paper. Fd. Pr. Pal., 4th St. bet. Avs. D & E.
Liggett & Meyers Tobacco Co.—St. Louis, Mo. Cigarette Papers. Fd. Pr. Pal., 5th St. cor. Av. E.
O. K. Mfg. Co.—Syracuse, N. Y. Paper Fasteners. Lb. Arts Pal., 8th & 9th Sts. bet. Avs. C & D.
Remington Typewriter Co.—New York, N. Y. Carbon Paper. Lb. Arts Pal., Av. C, bet. 1st & 2nd Sts.
Richter, D.—San Francisco, Cal. Fountain Pens. Lb. Arts Pal., 10th St. bet. Avs. C & D.
Union Oil Company of California, Oleum, Cal. Asphalt for lacquers. Min. Pal., Av. C, bet. 6th & 7th Sts.
Westinghouse Electric & Manufacturing Co., Pittsburg, Pa. Electric Eraser Outfits. Mch. Pal., 4th St., bet. Avs. E & F, 2nd and 4th St., bet. Avs. C & D.

GROUP 45

CUTLERY

Aca Beta Strop Co.—New York, N. Y. Razor Strop. Lb. Arts Pal., 1st St. bet. Avs. C & D.
Campe, Geo. Ltd., San Francisco, Cal. Coll. Ex. Mfr. 7th St., bet. Avs. C & D.
Oneida Community, Ltd.—Oneida, N. Y. Table Cutlery. Fd. Pr. Pal., 4th St. bet. Avs. D & E.
Shimmons Hardware Company, St. Louis, Mo., Mfr. Pal., 5th St. cor. Av. C. Manufacturers and distributors of Keen Kutter Tools, Cutlery and Hardware. 90,000 items cataloged.
Spangler-Loomis Mfg. Co.—Chicago, Ill. "Kwick Sharp" Machine. Fd. Pr. Pal., 4th St. bet. Avs. D & E.
Stag Co., The, Chicago, Ill. Safety Razor Sharpeners. Mfr. 7th St., bet. Avs. C & D. (Campe Coll.)

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Corb Lundum Co.—Niagara Falls, N. Y. Polishing Wheels. Mch. Pal., 4th St. & Av. H.
Cordis Community, Ltd.—Oneida, N. Y. Plated Ware. Fd. Pr. Pal., 4th St. bet. Avs. D & E.

GROUP 47

JEWELRY

General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Synthetic Sapphires.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON

Rudgear-Merle Co., San Francisco, Cal. Ornamentally stamped metals. Mfr., 7th St., bet. Avs. A & B.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Adams, J. J. Co., Boston, Mass. Brushes. Min. Pal. 4th St., bet. Avs. C & D.
Bissell Carpet Sweeper Co., The, Gd. Rapids, Mich. Cpt. Swprs. Mfr., 8th St. & Av. D.
Cassard, Hamilton, Baltimore, Md. Broom & Brush Sewing Mches. Mfr., 8th St. & Av. D.
Channell Chemical Co.—Chicago, Ill. O-Cedar Polish. Lb. Arts Pal., 8th & 9th Sts. bet. Avs. C & D.
Clayes, Miss Margaret, 177 Post St., San Francisco, Cal. Fancy Articles. Liberal Arts Palace, Court of the Universe Blvd. at 8th St. & Av. B., near Entrance No. 4.
Hoag Duster Company, The, Monticello, Ia. Feather Dusters. Mfr., 8th St. & Av. D.
Levenson Company, San Francisco, Cal. Brooms and Brushes. Mfr., 8th St. & Av. D.
Malm, C. A. & Co., S. F., Cal. Mfrs 7th St., bet. Avs. B & C. Portfolios, toilet cases, etc.
National Veneer Products Company, Mishawaka, Ind. Bags, Suitcases, etc. Mfr., Av. B, cor. 8th St. "Indestructo" Sanitary Hampers.
O-So-Easy Mop Co., Detroit, Mich. Polish mops, dustless dusters. Mfr., 7th St., cor. Av. D.
Ox Fibre Brush Co., Frederick, Md. Brushes. Mfr., 8th St. & Av. D.
Paris Foundry & Machine Works, Paris, Ill. Broom Winders. Mfr., 8th St., cor. Av. D.
Reese, Fred W., Paris, Ill. Broom winding & trimming machines. Mfr., 8th St. & Av. D.
Whiting, John L.—J. J. Adams Co.—Boston, Mass. Min. Pal., Av. C, bet. 3d & 4th Sts.
Wizard Products Company, Chicago, Ill. Mops, dusters, brushes. Mfr., 8th St. & Av. D.

GROUP 53

ARTICLES FOR TRAVELING AND FOR CAMPING. INDIA RUBBER AND GUTTA PERCHA INDUSTRIES

Bowers Rubber Works, San Francisco, Cal. Rubber Goods. Mfr., 8th St., cor. Av. C.
Ceresit Waterproofing Co., Chicago, Ill. Waterproofing materials. Mch. Pal., 5th St. & Av. I. Parrott & Co., S. F., Coast Representative. See ad on front cover of Machinery Catalogue.
Corona Typewriter Co., Inc.—Boston, N. Y. Traveling Bags. Lb. Arts Pal., 1st St. bet. Avs. C & D.

Gold Medal Waterproofing Co., Oakland, Cal.
Waterproof Clothing. Mfr., 8th St., cor
Av. C.

Graton & Knight Mfg. Co., Worcester, Mass.
Trunk and suitcase accessories. Block 13,
Palace of Machinery.

Hartmann Trunk Co., The, Racine, Wis. Mfr.
Av. B, cor. 7th St. Trunks, etc.

Hirschfelder & Meaney, San Francisco, Cal.
Trunks. Mfr., 7th St., bet. Aves. B & C.

Kenyon Pacific Co., San Francisco, Cal.
Portable Houses. Av. of States, opposite
Kansas Bldg.

Lundy, A. L. & J. E.,—San Francisco, Cal.
Portable House. Expo. Grds., Av. of States,
opp. Kansas Bldg.

Malm, C. A. & Co., San Francisco, Cal. Mfr.,
7th St., bet. Aves. B & C. Trunks, etc.

National Mill & Lumber Co., San Francisco,
Cal. Portable Houses. Av. of States, west
of Massachusetts, So. of Iowa.

National Veneer Products Company, Mishawaka, Ind. Trunks, etc. Mfr., Av. B,
cor. 8th St. "Indestructo" trunks, lug-
gage and Veneer specialties. Traveling
bags, suitcases; N. V. P. trunks.

North American Cons. Co., Bay City, Mich.
Ready-Cut Houses. East Mch. Hall, North
Panama Canal.

O. K. Mfg. Co.,—Syracuse, N. Y. Erasers.
Lb. Arts Pal., 8th & 9th Sts. bet. Aves.
C & D.

Pacific Portable Construction Co., Los Angeles, Cal. Portable Houses. Av. of States,
opp. Kansas Bldg.

Pacific Trunk & Bag Co., San Francisco, Cal.
Trunks. Mfr., 7th St., bet. Aves. B & C.

Sun Tent & Awning Co., San Francisco, Cal.
Tents. Mfr., 7th St., cor. Av. A.

Union Oil Company of California, San Francisco, Cal. Min. Pal., 6th St. & Av. B.
Asphalt as rubber substitute.

Weeks-Howe-Emerson Co., San Francisco, Cal.
Tents. Mfr., 7th St., cor. Av. A.

Westinghouse Electric & Mfg. Co., Pittsburgh,
Pa. Vulcanizer, Trus. Pal., under Dome.

GROUP 54

HUNTING EQUIPMENT AND PRODUCTS OF HUNTING

Armstrong Cork Co., Pittsburgh, Pa. Surf
Balls, Etc. Mfr. Pal., Av. A & 6th St.

Brunswick-Balke-Collender Co., The, of California, S. F., Cal. Sporting Goods. Mfr., Av.
A, cor. 6th St.

Fox Gun Company, A. H., Philadelphia, Pa.
Firearms. Mfr., 7th, bet. Aves. C & B.

Hercules Powder Company, San Francisco, Cal. Explosives. Min. Pal., Av. B & 7th
St. Black sporting powder. Smokeless
sporting powder. See exhibit in Section 30,
in Palace of Mines & Metallurgy.

National Veneer Products Company, Mishawaka, Ind. Trunks, etc. Mfr., Av. B, cor.
8th St. "Indestructo" Golf Bags.

Remington Arms-Union Metallic Cartridge Co., Illon, N. Y., and Bridgeport, Conn.
Sportsmen's Firearms and Ammunition.
Mfr., Av. C, cor. 7th St.

Rowley, John Berkeley, Cal. Taxidermist
Work. Fd. Pr. Pal., Av. B2, bet. 3rd &
4th Sts.

Savage Arms Co., Utica, N. Y. Firearms
Mfr., 7th St., bet. Aves. C & D. Mfrs. of
Savage Hi Power Rifles, Savage 10-Shot
Automatic pistols, and the Lewis air-cooled
machine gun.

Spratt's Patent, Ltd.,—Newark, N. J. Appli-
cances for Dogs. Fd. Pr. Pal., 5th St. bet.
Aves. D & E.

Winchester Repeating Arms Co., New Haven, Conn. Mfr., 7th St., bet. Aves. C & D. Sports-
man's arms & ammunition.

GROUP 55

FISHING EQUIPMENT AND PRODUCTS

Armstrong Cork Co.,—Pittsburgh, Pa. Gill
Corks. Mfr. Pal., Av. A & 6th Sts.

Benn, Martha A.,—San Francisco, Cal. Fish-
ing Flies. Fd. Pr. Pal., 2nd St. bet. Aves.
D & E.

Kewell, Chas. H., San Francisco, Cal. Fishing
Tackle. Fd. Pr. Pal., 1st St., cor. Av. D.

Mills, Wm. & Son, New York, N. Y. Fishing
Tackle and Wading Outfits. Fd. Pr. Pal.,
1st St., cor. Av. D.

Old Town Canoe Co.,—Old Town, Me. Canoes.
Mfr. Pal., 7th St. & Av. A.

Owen Bucket Co., Cleveland, Ohio. Clam shell
buckets. Mch. Pal., 5th St. & Av. I. Parrott
& Co., S. F., Cal., Representatives. See ad
on front cover of Machinery Catalogue.

Young, C. G. & Co., San Francisco, Cal. Fish
Nets. Fd. Pr. Pal., 1st St., cor. Av. D.

GROUP 57

PERMANENT DECORATION AND FIXED FURNITURE FOR BUILDINGS AND DWELLINGS

Algar, Jas.,—New York, N. Y. Door and
Frame Work. Agr. Pal., Av. D, bet. 1st
& 2d St.

American Encaustic Tiling Co.,—Zanesville, Ohio. Emergency Hospital. Service Bldg.

American Mailing Device Co.,—New York, N. Y. Mailing Devices. Mch. Pal., Av. I &
5th St.

Armstrong Cork Co.,—Pittsburgh, Pa. Non-
pareil Tiling. Mfr. Pal., Av. A & 6th St.

Baltimore Enamel & Novelty Co.,—New York, N. Y. Signs. Min. Pal. The Mine.

Brunswick-Balke-Collender Company, The, of California, S. F., Cal. Cigar and Bar Fix-
tures. Mfr., Av. A, cor. 6th St.

Clayes, Miss Margaret, 177 Post St., San Francisco, Cal. Models of Interior Decoration
for a Chinese Room. Liberal Arts Palace,
Court of the Universe Blvd. at 8th St. & Av.
B, near Entrance No. 4.

Davis Hardwood Co.,—San Francisco, Cal. Doors. Agr. Pal., Av. D, bet. 1st & 2nd Sts.

Hermann Safe Co., San Francisco, Cal. Bank
Fixtures. Mfr., 6th St., bet. Aves. C & D.

Howard Company, Oakland, Cal. Wall Board.
Mfr., 6th St., bet. Aves. B & C.

Hungerford, W. T., Brass & Copper Co.,—New York, N. Y. Railings. Mch. Pal., West
Main Entrance.

Indestructible Sign Co.,—Columbus, Ohio. Signs. Mch. Pal., Av. A, cor. 4th St.

Keyless Lock Co., The,—Indianapolis, Ind. Steel Partitions. Min. Pal., Av. B & 1st St.

Marshall & Stearns Co., San Francisco, Cal. Wall Beds. Mfr., Av. B, cor. 5th St.

Meurer Bros. Co., Brooklyn, N. Y. Roof Deco-
rations. Mfg. Av. D, bet. 6th & 7th Sts.

Mirror Advertising Co.,—San Francisco, Cal. Signs. Mch. Pal., 1st St. & Av. D.

National Veneer Products Company, Mishawaka, Ind. Veneer panels. Mfr., Av. B,
cor. 8th.

Pacific Sash & Door Co.,—Los Angeles, Cal. Doors. Agr. Pal., Av. D, bet. 1st & 2d Sts.

Paine Lumber Co., Ltd., Oshkosh, Wis. Ex-
hibit 6th St., bet. Aves. B & D. General
Millwork. Specialty Doors.

Paraffine Paint Company, The, San Francisco, Cal. Roofing Felt. Mines & Metallurgy,
Av. B & 7th St. Imitation of wood; floor
covering. Deadening felt, roofing felt.

Peterson, Mrs. Clara K., San Francisco, Cal. Drawings. Lb. A. Pal., Court of Universe
Bldg.

Budge-Merle Co., San Francisco, Cal. Grill Work and Doors in Bronze & Brass. Mfr., 7th St., bet. Aves. A & B.
Seaman, W. S., Co.—Milwaukee, Wis. Telephone Booths. Mfr. Pal., 8th St. bet. Aves. B & C.
Thermos Brick Co. of America, The, San Francisco, Cal. Thermos Brick. Mfr., 6th St., bet. Aves. C & D.
Thermos Company, Inc., The, Newark, N. J. Thermos Brick. Mfr., 6th St. bet. Aves. C & D.
Weed Lumber Co., San Francisco, Cal. Doors and Windows, California White Pine and Sugar Pine Industries Bldg.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

Ahern, Major Geo. F.—Washington, D. C. Furniture. Agr. Pal., Av. D, bet. 1st & 2d St.
Armstrong Cork Co.—Pittsburgh, Pa. Table Mats, Etc. Mfr. Av. A & 6th St.
American Ironing Mach. Co., Chicago, Ill. Mfr. Pal. General Electric Co. "Home Electrical." Electric Mangles.
American Machinery Co., Philadelphia, Pa. Mfr. Pal. General Electric Co. "Home Electrical." Electric Vegetable Paring Machine.
American Radiator Co., Chicago, Ill. Mfr., Av. D & 6th St. Vacuum Cleaners. The Arco Wand.
Berkey & Gay Furniture Co., Grand Rapids, Mich. Furniture. Redwood Bungalow, Expo. Grs.
Bissell Carpet Sweeper Co., The, Gd. Rapids, Mich. Mfr. 8th St. & Av. D. Suction Clnrs.
Bissell Motor Co.—Toledo, Ohio. Suction Sweepers. Emergency Hospital Service Bldg.
Bloomfield Manufacturing Co., Bloomfield, Ind. Col. Ex. Fd. Pr. Pal., 4th St., bet. Aves. D & E. Tray Wagons.
Bowie Specialty Co.—San Francisco, Cal. Vacuum Cleaners. Mch. Pal., 2d St. bet. Aves. C & C2.
Brunswick-Balke-Collender Company, The, of California. Mfr., Av. A, cor. 6th St. Billiard supplies, billiard and pocket billiard tables; bowling alleys and supplies; Backus Ten-pin Setting Machines.
Clements Mfg. Co., Chicago, Ill. Mfr. Pal. General Electric Co. "Home Electrical." Vacuum Cleaners.
Cleveland Metal Products Co., Cleveland, O. Steel Tables. Mfr., Av. D, bet. 5th & 6th Sts.
Continental Bedding Manufacturing Co., S. F., Cal. Mfr., 5th, bet. Aves. B & C. Library furniture.
Coppes Bros. & Zook—Nappanese, Ind. Kitchenette. Fd. Pr. Pal., 4th St. bet. Aves. D & E.
Davis Hardwood Co.—San Francisco, Cal. Furniture. Agr. Pal., Av. D, bet. 1st and 2d Sts.
Dodge & Zull, Syracuse, N. Y. Mfr. Pal. General Electric Co. "Home Electrical." Electric Washing Machine.
Doten-Dunton Desk Company—Cambridge Mass. Distinctive Banking & Commercial Furniture. Mfr., Av. A, bet. 5th and 6th Sts. Rucker-Fuller, San Francisco, Agents.
Electric Dish Washer Co., Buffalo, N. Y. Mfr. Pal. General Electric Co. "Home Electrical." Geyser Dish Washing Machines.
Gunn Furniture Company, The, Grand Rapids, Mich. Sectional Bookcases. Mfr., Av. A, bet. 5th & 6th Sts. Rucker-Fuller, San Francisco, Agents.
Gummer, F. A., Stockton, Cal. Library Table. Agr. Pal., Av. D & 9th St.
Harbord, Major J. G.—San Francisco, Cal. Furniture. Agr. Pal., Av. D, bet. 1st & 2d Sts.
Hart & Hutchins Co., The—New Britain, Conn. Steel Lockers. Emergency Hospital. Service Bldg.
Hartman Trunk Co., The, Racine, Wis. Mfr. Av. B, cor. 7th. Hartman Wardrobe Spec.
Hermann Safe Co., San Francisco, Cal. Hank Fixtures. Mfr., 6th St., bet. Aves. C & D.
Herzog Art Furniture Co.—Saginaw, Mich. Music Cabinets. Lb. Arts Pal., 5th St. & Av. A.
Home Washing Machine Co., Brooklyn, N. Y. Washing machines. Mch. 1st St. & Av. D.
Hooder Mfg. Co.—New Castle, Ind. Kitchen Cabinets. Mfr. 6th St., Av. D & 7th St.
Hoover Suction Sweeper Co., The, New Berlin, Ohio. Suction Sweepers. Mfr., 8th St., bet. Aves. B & C. San Francisco Representative, W. A. Hawley, Office, 320 Market St.
Hurley Mfg. Co., Chicago, Ill. Mfr. Pal. General Electric Co. "Home Electrical." Vacuum Cleaners, Washing Machines, Dish Washers.
Innovation Electric Co., N. Y. Portable & suction cleaners. Mch. 1st St. & Av. D.
Judd Laundry Machine Co., Chicago, Ill. Mfr. Pal. General Electric Co. "Home Electrical." Electric Washing Machines.
Karpen, S. & Bros., Chicago, Ill. Mfr. 5th St., cor. Av. A. Upholstered Furniture.
Kewanee Private Utilities Company, Kewanee, Ill. Vacuum Clnrs. Mch., 1st & 2nd Sts. & Av. E.
Koken Barber Supply Co., St. Louis, Mo. Barber Chairs, etc. Mfr., 6th St., bet. Aves. A & B.
Kroehler, P. E. Manufacturing Co., Kankakee, Ill. Davenport. Mfr., 6th St., bet. Aves. A & B.
Linatime Co., The—Rochester, N. Y. Copyholder. Fd. Pal., 6th St. & Av. C.
Mariand, W. J., Oakland, Cal. Washing Machines. Mch. Coll. Exh. 1st St. & Av. D.
Maytag Co., Newton, Ia. Mfr. Pal. General Electric Co. "Home Electrical." Electric Washing Machines.
Meadows Mfg. Co.—Pontiac, Ill. Washing Machines. Mch. Pal., 2d St. & Av. C2.
Mainecke Company, New York, N. Y. Hospital Beds. Emergency Hospital. Service Bldg.
Merritt & Co.—Camden, N. J. Steel Furniture. Mch. Pal., 1st St. & Av. D.
Milwaukee Chair Company, Milwaukee, Wis. Office, Bank & Courthouse Chairs. Mfr., Av. A, bet. 5th and 6th Sts. Rucker-Fuller, San Francisco, Agents.
"1900" Washer Co., The, Binghamton, N. Y. Washing Machines. Mfr. 8th St. & Av. D.
Pacific Coast Rattan Co., Oakland, Cal. Furniture. Mch. Pal., 1st St. & Av. D.
Palmer, James A.—Boston, Mass. Music Leaf Turning Apparatus. Lb. Arts Pal., 5th St., cor. Av. A.
Parker, Chas. Co.—Meriden, Conn. Piano Benches. Lb. Arts Pal., 5th St., cor. Av. A.
Peck & Hills Furniture Co., Chicago, Ill. Home Furnishings. Mfr., 5th St., bet. Aves. A & B. Branch offices in New York, San Francisco, Oakland, Los Angeles and Denver.
Pneuvac Company, Boston, Mass. Pneuvac Sweepers. Mfr., 6th St., Av. D and 7th St. (Model Kitchen).
Premier Vacuum Cleaner Co., The, Cleveland, O. Vacuum Cleaners. Mfr., 6th St., bet. Aves. C & D.

Regina Co., Rahway, N. J. Mfr. Pal. General Electric Co. "Home Electrical." Vacuum Cleaners.

Robinson, Geo. S., San Francisco, Cal. "Robinson Findex." Mfr., Gen'l Office.

Rucker-Fuller Desk Company, San Francisco. Collective Exhibit of Office, Bank and Courthouse Equipment. Mfr., Av. A, bet. 5th & 6th Sts.

Rudge-Merle Co., San Francisco, Cal. Beds. Mfr., 7th St., bet. Avs. A & B. Metal Beds, Metal Spring Mattresses.

Safe-Cabinet Company, The, Marietta, Ohio. Light Weight Safes and Filing Cabinets. Mfr., Av. A, bet. 5th and 6th Sts. Rucker-Fuller, S. F. agents.

Santo Mfg. Co., Philadelphia, Pa. Mfr. Pal. General Electric Co. "Home Electrical." Vacuum Cleaners.

Shaw-Walker Company, The, Muskegon, Mich. Wood & Steel Filing Devices. Mfr., Av. A, bet. 5th and 6th Sts. Rucker-Fuller, S. F. agents.

Sonora Phonograph Co., San Francisco, Cal. Record Cabinets. Lib. Arts Pal., Av. D, cor. 4th St.

Spencer Turbine Cleaner Co., The, Hartford, Conn. Vacuum cleaning apparatus. Mfr. 7th St., Av. B & 8th St.

Standard Furniture Company, Herkimer, N. Y. Office Desks and Tables. Mfr., Av. A, bet. 5th and 6th Sts. Rucker-Fuller, S. F. agents.

Van Dorn Iron Wks. Co., Cleveland. Metal Furniture. Min. Pal., combined with U. S. Steel Corp'n Exhibit.

Walker Bros. Co., Syracuse, N. Y. Dish Washer. Ed. Pr. Pal., 4th St., bet. Avs. D & E.

Weber, C. F., Co., Rochester, N. Y. Office Furniture. Ed. Pal., 6th St. & Av. C.

White Enamel Refrigerator Co., St. Paul, Minn. Kitchen Table. Ed. Pr. Pal., 4th St. bet. Avs. D & E.

Yawman & Erbe Mfg. Co., Rochester, N. Y. Filing Equipment. Ed. Pal., 6th St. & Av. C.

GROUP 60

HARDWARE AND WOODENWARE

American Brass Co., Waterbury, Conn. Brass Shapes. Min. Pal., Av. B, bet. 5th & 6th Sts.

American Pulley Co., The, Philadelphia, Pa. Mch. Pal., 4th St. & Av. L. Pressed metal sash pulleys; miscellaneous pressed and drawn metal shapes; sash pulleys.

Am. Bridge Co., Pittsburgh. Nuts, Bolts, Clevises, etc.

Am. Bridges Co., Pittsburg, Pa. Nuts, bolts, clevises, etc. Min. Pal.

Am. Sheet & Tin Plate Co., Pittsburgh. Steel Roofing & Siding Sheets.

Am. Sheet & Tin Plate Co., Pittsburgh, Pa. Steel roofing & siding sheets. Min. Pal.

Am. Steel & Wire Co., Chicago. Fencing, Nails, Wire Products, Horseshoes.

Am. Steel & Wire Co., Chicago, Ill. Fencing, nails, wire products, horseshoes. Min. Pal.

Art Metal Construction Co., Jamestown, N. Y. Safes. Mfr. Departmental Office.

Atkins, E. C. & Co., Indianapolis, Ind. Saws. Mfr. 5th St., bet. Avs. C & D.

Baum, J., Safe & Lock Co., Cincinnati, Ohio. Fire Proof Safes. Mfr., 6th St. bet. Avs. C & D.

Bliss Company, E. W., Brooklyn, N. Y. Steel pinions. Mch., 3rd St., bet. Avs. F & G.

Bommer Brothers, Brooklyn, N. Y. Builders' Hardware. Mfr., 5th St., Av. D & 6th St.

Bridgeport Brass Co., Bridgeport, Conn. Rolled Brass. Min. Pal., Av. B, bet. 5th & 6th Sts.

Bristol Company, The, Waterbury, Conn. Mch. Pal., 2nd St., cor. Av. D. Safety Set Screws.

Broderick & Bascom Rope Co., St. Louis, Mo. Wire Rope. Mfr. Av. C, cor. 6th St. Yellow Strand "Powersteel" Rope.

Brohard Co., The, Philadelphia, Pa. Bolts & Door Holders. Mfr., 6th St., bet. Avs. C & D.

Cambria Steel Co., Johnstown, Pa. Wire Products. Trans. Pal., Court of Universe Blvd.

Campe, Geo., Ltd., San Francisco, Cal. Collective Exhibit. Mfr., 7th St., bet. Avs. C & D.

C. H. & E. Manf. Co., Milwaukee, Wis. Builders' Equipment. Mch. Pal., 5th St. & Av. L. Parrott & Co., San Francisco, Cal. Repres. See ad on front cover of Mch. catalog.

Cleveland Metal Products Co., The, Cleveland, O. Metal Products. Mfr., Av. D, bet. 5th & 6th Sts.

Cyclone Woven Wire Fence Co., Cleveland, O. Woven Wire Fence. Mfr., 7th St., bet. Avs. C & D.

Devlin, Thomas Manf'g Co., Philadelphia, Pa. Hardware. Mfr., 6th St., bet. Avs. C & D.

Diamond Expansion Bolt Co., New York, N. Y. Bolts. Mfr., 8th St., bet. Avs. B & C.

Disston, Henry & Sons, Inc., Philadelphia, Pa. Mfr. Av. C, cor. 6th St. Tools.

Dover Manufacturing Co., The, Canal Dover, Ohio. Irons. Mfr., 7th St., bet. Avs. C & D.

Dresser, S. B., Mfg. Co., Bradford, Mich. Water Main Fittings. Mfr., 5th St. & Av. A. (Coll. Gas.)

General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Binol Metal.

Graton & Knight Mfg. Co., Worcester, Mass. Belt Makers' Tools. Block 13, Palace of Machinery.

Glauber Brass Mfg. Co., Cleveland, Ohio. Brass Goods. Mfr., Av. C & 6th St.

Griswold Mfg. Co., Erie, Pa. Aluminum Ware. Ed. Pr. Pal., 4th St., bet. Avs. D & E.

Hart & Hutchins Co., The—New Britain, Conn. Steel Lockers. Emergency Hospital. Service Bldg.

Hermann Safe Co., The, San Francisco, Cal. Mfr., 6th St., bet. Avs. C & D. Safes.

Hungerford, U. T., Brass & Copper Co., New York, N. Y. Brass Railings. Mch. Pal., West Main Entrance.

Ingersoll-Rand Co., New York, N. Y. Oil Forges. Min. Pal., 5th St. bet. Avs. A & B.

James Swan Co., Seymour, Conn. Mechanics Tools. Mfr., 5th St. Av. D & 6th St.

Joanita Novelty Co., Los Angeles, Cal. Can Openers. Mfr., 6th St., Av. D & 7th St. (Model Kitchen.)

Lukenheimer Co., The, Cincinnati, O. Pal. of Machinery. 1st St. & Av. G. Ground Key Work.

McCaffery File Co., Philadelphia, Pa. Files and rasps. Mfr., 5th St., Av. D & 6th St.

Merritt & Co., Camden, N. J. Steel Furniture. Mch. Pal., 1st St. & Av. D.

Millers Falls Company, New York, N. Y. Tools. Mfr., 5th St., Av. D & 6th St.

Meurer Bros. Co., Brooklyn, N. Y. Mfr. Av. D, bet. 6th & 7th Sts. Tin roofing.

Mitts & Merrill, Saginaw, Michigan. Mch. Pal. Av. G2, bet. 3rd and 4th Sts. A giant key seater made in eight sizes for cutting key seats in all sizes of holes, from 1-2 inch up. Key seats range in width from 1-16 to 4 inches wide.

Mueller, H. Mfg. Co.—Decatur, Ill. Brass Goods. Mfr., 5th St. & Av. A. (Coll. Gas.)
 National Enameling & Stamping Co., Milwaukee, Wis. Household Utensils. Mfr., 8th St., cor. Av. C.
 National Tube Co., Pittsburgh. Seamless Tube Ex. & Photos.
 Niagara Mach. & Tool Wks., Buffalo, N. Y. Sheet metal workers' tools. Mch. 3rd & G2.
 Oster Manufacturing Co., The, Cleveland, O. Stocks & Dies. Mch. 4th St. & Av. C2.
 Owen Bucket Co., Cleveland, O. Clam shell buckets. Mch. Pal., 5th St. & Av. I. Parrott & Co., S. F. Cal. Repres. See ad on front cover of Machinery Catalogue.
 Pacific Fence Construction Co., San Francisco, Cal. Wire Fencing. Mfr., 7th St., bet. Avs. C & D.
 Penn. Hardware Company, Reading, Pa. Builders Hardware. Mfr., 6th St., bet. Avs. C & D.
 Rudgear-Merle Co., San Francisco, Cal. Metal Work. Mfr., 7th St., bet. Avs. A & B.
 Safety Gas Lighter Co.—Haverhill, Mass. Orange Peelers. Mfr., 5th St. & Ave. A (Coll. Gas.)
 Smet-Solvay Company—Syracuse, N. Y. Recovery of By-products. Mfr., 5th St. & Av. A. (Coll. Gas.)
 Simmons Hardware Company, St. Louis, Mo. Mfr., 5th St., cor. Av. C. Manufacturers and distributors of Keen Kutter Tools, Cutlery and Hardware. 90,000 items cataloged.
 Simonds Manufacturing Co., Fitchburg, Mass. Mfr., 6th St., bet. Avs. C & D. Tools.
 Smith & Mills Co., The, Cincinnati, O. Machine Tools. Mch. Pal., 4th St. and Av. G2.
 Shaping Machines. See exhibit installed in Block 61, in Palace of Machinery.
 Stanley Works, The, New Britain, Conn. Shelf hardware. Mfr., 6th St., bet. Avs. O & D. Wrought builders & shelf hardware. Box strapping and cold-rolled strip steel.
 Trimont Mfg. Co., Roxbury, Mass. Pipe Wrenches. Mfr., 5th St., Av. D & 6th St.
 Trusty Alarm Safe Co., Philadelphia, Pa. Safety Alarm Jewel Safes. Mfr., 7th St., bet. Avs. O & D.
 U. S. Steel Corp'n. & Subdy. Cos., New York. Collective Iron and Steel Exhibit. Min. Pal.
 Universal Caster & Foundry Co., New York, N. Y. Mfrs. 6th St., bet. Avs. O & D.
 Waggoner Extension Ladder Co., Stockton, Cal. Extension Ladders. Mfr., 8th St. & Av. D.
 Wagner Manufacturing Co., The, Sidney, O. Aluminum Ware. Mfr., 8th St., bet. Avs. C & D.
 Wells Brothers Company, Greenfield, Mass. Mfr., 5th St., Av. D & 6th St. Hardware.
 York Safe & Lock Co.—York, Pa. Safes. Mch. Pal., 1st St. & Av. F.

GROUP 61

ELECTRO-THERMAL APPARATUS

Berkeley Electric Cooker Co., Berkeley, Cal. Electric Cooking Appliances. Mfr., 8th St., bet. Avs. C & D.
 Dover Mfg. Co., The, Canal Dover, Ohio. Electric Irons. Mfr., 7th St., bet. Avs. C & D.
 General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Electric Cooking Devices, Pressing Irons, Luminous Radiators, Air Heaters.
 Loetcher-Ryan Mfg. Co., Dubuque, Iowa. Electric Heaters. Fd. Pr., 5th St., bet. Avs. D & E.
 Majestic Electric Development Co., San Francisco, Cal. Electric Appliances. Mfr., 8th St., bet. Avs. B & C.

Marland, W. J., Oakland, Cal. Electro-Thermal Appliances. Coll. Exh. Mch. 1st & Av. D.
 Presto Electric Co., Inc., San Francisco, Cal. Electric Appliances. Mfr., 8th St., bet. Avs. B & C.
 Ray Mfg. Co., The—San Francisco, Cal. Electric Water Heaters. Mch. Pal., 5th St. & Av. H.
 Shelton Electric Co., New York, N. Y. Mfr. Pal. General Electric Co. "Home Electrical." Pedestal and Portable Electric Hair Dryers.
 Slaughter Co., W. E., Chicago, Ill. Electro-Thermal Appliances. Mch. 1st St. & Av. D.
 Western Electric Company, New York, N. Y. Electric Irons. Mfr., 8th St. & Av. C.
 Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa. Mch. Pal., 2nd St. & Av. C2. Electric Heating Devices. Sad irons, laundry irons, toaster stoves, disc stoves, chafing dishes, percolators, samovars, saute pans, frying pans, air heaters, cozy glow and luminous radiators, electrotherms, curling irons, disc heaters, bayonet heaters, milk warmers, electric ranges.

GROUP 62

INSULATING MATERIALS FOR ELECTRICITY

Brookfield Glass Co., The, New York, N. Y. Mfr., 8th St., cor. Av. C. (Western Electric Exhibit).
 General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Insulating Material, Fibrox, Glythal, Moulded Compounds.
 Paraffine Paint Co., The, San Francisco, Cal. of Mines & Metallurgy. Av. B & 7th St. Insulating Tapes & Compounds.
 Standard Underground Cable Co., Pittsburgh, Pa. Elec. Ins. Mat. Mch. 3rd St. & Av. D.
 Tubular Woven Fabric Co., Pawtucket, R. I. (Providence Coll. Exh.) V. I. Pal., Av. E & 4th St.
 Union Oil Company of California, San Francisco. Min. Pal., 6th St. & Av. B. Asphalt for insulating.
 Westinghouse Electric & Mfg. Co., Pittsburgh, Pa. Insulating material, Trns. Pal.
 Western Electric Company, New York, N. Y. Insulating Materials. Mfr., 8th St. & Av. C.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Armstrong Cork Co.—Pittsburgh, Pa. Linoleum, Etc. Mfr., Av. A & 6th St.
 Blabon, Geo. W. Co., Philadelphia, Pa. Linoleums. Mfr., 6th St., cor. Av. A.
 Crex Carpet Co., New York, N. Y. Crex Covering. Mfr. Av. A, cor. 7th St.
 Cook, A. J. & J. E.—San Francisco, Cal. Coll. Ex. of Leather. Mfr., 7th St., bet. Avs. B & C.
 Gold Car Heating & Lighting Co., N. Y. Mch. Pal., 1st St. and Av. D. Steam Vapor, Combination Pressure and Vapor, hot water and electric systems, thermostat control for same, Cyclone and Window Ventilators. Mch. Pal. W. J. Marland, Rep.
 Lackawanna Leather Co., Hackettstown, N. J. Leather. Mfr., 7th St., bet. Avs. B & C. Spanish and Morocco Upholstery Leather.
 Pacific Coast Batten Co., Oakland, Cal. Grass Rugs. Mch. Pal., 1st St. & Av. D.
 Paraffine Paint Co., The, San Francisco, Cal. Floor Covering. Pal. of Mines & Metallurgy. Av. B & 7th St.
 Smith, Alexander & Sons—San Francisco, Cal. Carpets and Rugs. Mfr. Pal., 5th St. & Av. C.
 United Roofing & Mfg. Co., Philadelphia, Pa. Rug Bordering. Min. Pal., 7th St., bet. Avs. A & B.

Waite Grass Carpet Co., Oshkosh, Wis. Wire
Grass Rugs. Mfr., 6th St., bet. Aves. B & C.

GROUP 65

UPHOLSTERERS' DECORATIONS

Continental Bedding Manufacturing Co., S. F.
Cal. Mattresses & bedding. 5th St., bet.
Aves. B & D.
Mahony, H. J. Co., San Francisco, Cal. Win-
dow Shade Coverings. Mfr., 7th St., bet.
Aves. C & D.
Weeks-Howe-Emerson Co., San Francisco,
Cal. Flags. Mfr., 7th St., cor. Av. A.

GROUP 66

CERAMICS

American Encaustic Tiling Co.—Zanesville,
Ohio. Tile Walls. Emergency Hospital,
Service Bldg.
Thermos Brick Co. of America, The, San
Francisco, Cal. Mfr., 6th St., bet. Aves.
C & D. Bricks.
Thermos Company, Inc., The, Newark, N. J.
Mfr. 6th St., bet. Aves. C & D. Bricks.

GROUP 67

PLUMBING AND SANITARY MATERIALS

Armstrong Cork Co.—Pittsburgh, Pa. Wash-
ers. Mfr., Av. A & 6th St.
Bridgeport Brass Co.—Bridgeport, Conn.
Plumbers' Specialties. Min. Pal., Av. B,
bet. 5th & 6th Sts.
Crane Co., Chicago, Ill. Plumbing Materials.
Mfr. Av. C, cor. 7th St.
Devlin, Thomas Man'g Co., Philadelphia, Pa.
Pipe Fittings. Mfr., 6th St., bet. Aves. C
& D.
Dresser, S. K. Mfg. Co., Bradford, Pa. Steel
Pipe Couplings. Mfr., 5th St. & Av. A.
(Coll. Gas.)
Fuller, W. F. & Co., San Francisco, Cal.
Mirrors. Min. Pal., Av. C, bet. 4th & 5th
Sts.
Glauber Brass Mfg. Co.—Cleveland, Ohio.
Plumbers' Supplies. Mfr., Av. C & 6th St.
Ingersoll-Rand Co., New York, N. Y. Oil
Forges. Min. Pal. "The Mine."
MacLeod Co., The—Cincinnati, O. Lead Melting
Furnace. Mch. Pal., Av. I & 1st St.
Mueller, H., Mfg. Co., Dectur, Ill., Sarnia,
Ont., New York, San Francisco. Water
Tapping Machines, Plumbing Brass Goods,
Tools, Regulators, Drinking Fountains. Col.
Gas, Ex., 5th St. & Av. A.
National Enameling & Stamping Co., Milwau-
kee, Wis. Kitchen Sinks. Mfr., 8th St.,
cor. Av. C.
Simonds Mfg. Co., Fitchburg, Mass. Steel
Discs. Mfr. 6th St., bet. Aves. C & D.
Smith, A. P., Mfg. Co., The—Orange, N. J.
Furnaces for Melting Lead. Mch. Pal., 2d
St. & Av. G2.
Sprague, William P., M. D., San Francisco,
Cal. Liquid Soap Dispenser. Mfr., Av. C,
cor. 7th St.
Standard Sanitary Mfg. Co., Pittsburgh, Pa.
Mfr. Pal., General Electric Co. "Home
Electrical." Bathing Apparatus, Lavatory
Fittings.
West Disinfecting Co.—San Francisco, Cal.
Sanitary Materials. Lib. Arts Pal., Av. C,
cor. 10th St.
Westinghouse Electric & Mfg. Co.—Pittsburgh,
Pa. Soldering Pots. Mch. Pal., 2d St. &
Av. C2.
Williams, J. H., Co.—Brooklyn, N. Y. Plumb-
ers' Tools. Mch. Pal., 2nd St. & Av. E.

GROUP 68

GLASS AND CRYSTAL

Armstrong Cork Co.—Pittsburgh, Pa. Polish-
ing Wheels. Mfr., Av. A & 6th St.

GROUP 69

APPARATUS AND PROCESSES FOR
HEATING AND VENTILATION

American Blower Co., Detroit, Mich. Mfr.
Pal. General Electric Co. "Home Elec-
trical." Electric Ventilating Sets.
American Radiator Co., Chicago, Ill. Mfr. Av.
D, bet. 5th & 7th Sts. The Ideal Boilers.
The American Heat Radiators. Working
Exhibit of Ideal Boilers and American Ra-
diorandum Co.—Niagara Falls, N. Y. Pol-
ishing Wheels. Mch. Pal., 4th St. & Av. H.
diators in Horticultural Building. This
building is heated entirely by our system.
Inspection invited at Power Plant in Hor-
ticultural Gardens.
Am. Sheet & Tin Plate Co., Pittsburgh, Pa.
Stove & Range Sheets. Mines Palace.
American Standard Oil Burner Co.—Oakland,
Cal. Crude Oil Burners. Mch. Pal., 5th St.
& Av. H.
American Stove Co., St. Louis, Mo. Gas
Stoves. Mfr., 5th St. & Av. A. (Coll. Gas.)
Bristol Company, The, Waterbury, Conn.
Mch. Pal., 2nd St., cor. Av. D. Electric
Recording Pyrometers for gas making ma-
chines. Automatic Temperature and pres-
sure regulators.
Campe, Geo. Ltd., San Francisco, Cal. Coll.
Ex. Mfr., 7th St., bet. Aves. C & D.
Century Electric Co.—St. Louis, Mo. Electric
Fans. Mch. Pal., 1st St. & Av. C.
Champion Stove Co., The, Cleveland, O. Coal
Ranges. Mfr., Av. D, cor. 5th St.
Clark, Geo. M., & Co., Div.—Chicago, Ill.
Stoves. Mfr., 5th St. & Av. A. (Coll. Gas.)
Cleveland Foundry Co., The, Cleveland, O.
Mfr., Av. D, bet. 5th & 6th Sts. Manu-
facturers of oil cooking stoves, oil heat-
ing stoves and cooking utensils. Per-
fection smokeless oil heaters. New Perfection
oil cooking stoves. New Perfection
fireless oil cooking stoves. Cabinets for
New Perfection oil stoves. New Perfection
yacht stoves. New Perfection water heater.
New Perfection broiler. New Perfection
toaster. New Perfection pancake griddle.
New Perfection sadiron heater. New Per-
fection steel even. The skill and experi-
ence of the world's largest manufacturer
of oil burning devices is back of the Per-
fection line, the best materials, careful
workmanship, standardized methods, con-
stant inspection. The result—Perfection
products give universal satisfaction and
last indefinitely.
Coll. Gas Exhibit. Cooking Apparatus.
Mfr., 5th St. & Av. A.
C. S. & W. M. Co., New York, N. Y. Gas
Ranges. Mfr., 5th St. & Av. A. (Coll. Gas.)
Dagler Stove Co., Div. Cleveland, O. Gas
Ranges. Mfr., 5th St., Av. A. (Coll. Gas.)
Detroit Stove Wks.—Detroit, Mich. Stoves.
Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
Dresser, S. B., Mfg. Co., Bradford, Pa. Steel
Pipe Couplings. Mfr., 5th & Av. A. (Coll.
Gas.)
Eclipse Gas Stove Co.—Rockford, Ill. Stoves,
Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
Ellanem Co., The, New York, N. Y. Solidified
Alcohol. Mfr., 7th St., bet. Aves. C & D.
Estate Stove Co.—Hamilton, Ohio. Stoves.
Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
Fess System Co., Inc., S. F., Cal. Burners for
Heaters. Mch. 5th St. & Av. F.
Foxboro Co., The—Foxboro, Mass. Recording
Thermometers. Mch. Pal., 3d St. & Av. C2.
General Electric Co., Schenectady, N. Y.
Mfr. Pal. "Home Electrical." Electric
Air Heaters, Water Heaters, Exhaust Fans,
Ranges, Broilers, Ovens, etc. Horticultural
Pal. Power Plant, see Water Flow Motors.

- Griswold Mfg. Co.**—Erie, Pa. Cooking Utensils. Fd. Pr. Pal., 4th St., bet. Aves. D & E.
- Hugo Mfg. Co.**—Duluth, Minn. Radiators. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Industrial Instrument Co.**, The, Foxboro, Mass. Recording Thermometers & Pyrometers. Mch. 3rd St. & Av. C-2.
- Jarvis, T. P., Crude Oil Burner Co.**—San Francisco, Cal. Oil Burners. Fd. Pr. Pal., 5th & 6th Sts., bet. Aves. B & C.
- Koppers, H. Co.**, Pittsburgh, Pa. Gas Ovens. Mfr., Av. A & 5th St. (Coll. Gas.)
- Lukenheimer Co.**, The, Cincinnati, O. Pal. of Mch. 1st St. & Av. G. Valves for steam use; Valves; Miscellaneous.
- Majestic Manufacturing Co.**, St. Louis, Mo. Ranges. Mfr., Av. D. cor. 7th St.
- Meurer Bros. Co.**, Brooklyn, N. Y. Ventilators. Mfr., Av. D, bet. 6th & 7th Sts.
- Michigan Stove Co.**, The, Detroit, Mich. Gas Ranges. Mfr., 5th St. & Av. A. (Coll. Gas.)
- National Enameling & Stamping Co.**, Milwaukee, Wis. Cooking Utensils. Mfr., 8th St., cor. Av. C.
- National Stove Co., Div., Lorain, O.** Gas Ranges. Mfr., Av. A & 5th St. (Coll. Gas.)
- National Tube Co.**, Pittsburgh, Pa. Model of heating system. Mines Palace.
- New Process Stove Co.**, Div., Cleveland, O. Gas Ranges. Mfr., Av. A & 5th St. (Coll. Gas.)
- Peck & Draper Co.**—San Francisco, Cal. Radiators. Departmental Offices, Palace of Manufactures.
- Philadelphia Hardware & Malleable Iron Works**, Philadelphia, Pa. Registers. Mfr., 6th St., bet. Aves. C & D.
- Bathbone, Sard & Co.**—Aurora, Ill. Cooking Appliances. Mfr., 5th & Av. A. (Coll. Gas.)
- Ray Mfg. Co.**, San Francisco, Cal. Burners for heaters. Mch. 5th St., bet. Aves. G & H.
- Reliable Stove Co.**, Div. Cleveland, O. Gas Ranges. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Reynolds Gas Regulator Co.**, Anderson, Ind. Gas Regulators. Mfr., Av. A & 5th St. (Coll. Gas.)
- Ringen Stove Co.**, Div. St. Louis, Mo. Gas Ranges. Mfr., Av. & 5th St. (Coll. Gas.)
- Robbins & Myers Co.**, The, Springfield, O. Exhaust Fans. Mch. 2nd St. & Av. C-2.
- Taylor Instrument Co.**—Rochester, N. Y. Pyrometers, Etc. Mch. Pal., 1st St. & Av. I.
- Trunkamp Stove Mfg. Co.**, The, Cleveland, Ohio. Gas Ranges. Mfr., 5th St. & Av. A. (Coll. Gas.)
- U. S. Steel Corp'n & Subsy. Cos.**, N. Y. Coll. Iron & Steel Exhibit. Mines Palace.
- Wagner Manufacturing Co.**, The, Sidney, O. Aluminum Ware. Mfr., 8th St., bet. Aves. C & D.
- Weir Stove Co.**, Taunton, Mass. Mfr. Av. D & 6th St. Coal wood ranges, heating stoves, etc.
- Western Electric Company**, New York, N. Y. Electric Fans. Mfr., 8th St. & Av. C.
- Westinghouse Machine Co.**, Pittsburgh, Pa. Steam turbines and accessories. Condenser with auxiliaries. 4th St. & Av. C.
- Berkeley Electric Cooker Co.**, Berkeley, Cal. Gas Ovens. Mfr., 8th St., bet. Aves. C & D.
- Bristol Co.**, The, Waterbury, Conn. Gas Meters. Mch. Pal., 2nd St. & Av. D.
- By-products Coke Corporation**—Chicago, Ill. Gas, Coal, Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Champion Stove Co.**, The, Cleveland, Ohio. Gas Ranges. Mfrs. Pal., Av. D, cor. 5th St.
- Chapman Valve Mfg. Co.**, Indian Orchard, Mass. Steam Valves; Water Valves and Hydrants; Gas Valves; Exhibit installed in the Division of the City of Springfield.
- Central Hardware Co., Inc.**—Los Angeles, Cal. Furnaces. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Clark, Geo. M. & Co., Div.**—Chicago, Ill. Stoves. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Collective Gas Exhibit.** Gas Making, Heating Apparatus. Mfr., 5th St. & Av. A.
- Connelly Iron Sponge & Governor Co.**, New York, N. Y. Iron Sponge. Mfr. Pal., 5th St. and Av. A. (Coll. Gas.)
- Consolidation Coal Company, The**, Baltimore, Md. Gas Coal and Coke. Mfr., Av. A, cor. 5th St. (Coll. Gas Ex.)
- Crane, W. M. Co.**, New York, N. Y. Gas Ranges. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
- Dangler Stove Co., Div.**, Cleveland, O. Gas Ranges. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
- David P. Co.**—San Francisco, Cal. Manholes. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Davis-Bournonville Co.**—Jersey City, N. J. Cutting Apparatus, Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Davis Acetylene Co.**, Elkhart, Ind. Stoves. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
- DeLaitte Gas Machine Manufacturing Co.**, San Francisco, Cal. Gas Heating and Lighting Machinery. Mch. Pal., 5th St. & Av. G.
- Detroit Stove Works**—Detroit, Mich. Stoves, Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Devlin, Thomas Man'g Co.**, Philadelphia, Pa. Pipe Fittings. Mfr., 6th St., bet. Aves. C & D.
- Doak Gas Engine Co.**—Oakland, Cal. Gas Engines. Mch. Pal., 4th St. & Av. F.
- Dover Mfg. Co.**, The, Canal Dover, Ohio. Gas Irons. Mfr., 7th St., bet. Aves. C & D.
- Dresser, S. B., Mfg. Co.**, Bradford, Pa. Steel Pipe Couplings. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
- Eclipse Gas Stove Co.**, Rockford, Ill. (Collective Exhibit). Mfr. Pal., 5th St. & Av. A. Manufacturers of Gas Ranges for domestic, restaurant and hotel use, gas water heater, space heaters, and gas appliances. This exhibit is with the Collective Gas Exhibit in the Manufactures Palace. Don't fail to see it.
- Estate Stove Co.**—Hamilton, Ohio. Stoves, Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Foss System Co., Inc.**, San Francisco, Cal. Burners for Heaters. Mch. Pal., 5th St. & Av. F.
- Foxboro Co.**, The, Foxboro, Mass. Collective Exhibit. Mfr. Pal., 5th St. & Av. A. Measuring Instruments, Gas Orifice Meters.
- General Gas Light Company**, San Francisco, Cal. Gas Arc Lamps. Mfr. Pal., 5th St. & Av. A. Humphrey Gas Arc Lamps; Humphrey Gas Mantles; Humphrey Semi-Indirect Fixtures; Humphrey Gas Irons; Gas Lighting Equipment of all kinds; Main Office & Factory, Kalamazoo, Mich. New York, London, E. C., and Wellington, New Zealand.
- Glauber Brass Mfg. Co.**—Cleveland, Ohio. Gas Works Supplies. Mfr., Av. C & 8th St.
- Great Western Cutting & Welding Co.**—San Francisco, Cal. Welding Outfit. Mch. Pal., 1st St. & Av. I.

GROUP 70

MANUFACTURE, DISTRIBUTION AND USES OF GAS FOR LIGHT AND FUEL

- A. B. Stove Company**, Battle Creek, Mich. Gas Ranges. Mfr., Av. D, bet. 5th & 6th Sts.
- American Meter Co.**—New York, N. Y. Gas Meters. Mfr., 5th St. & Av. A. (Coll. Gas.)
- American Stove Co.**, Chicago, Ill. Gas Stoves. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
- Bartlett-Hayward Co.**—Baltimore, Md. Gas Apparatus. Mfr., 5th St. & Av. A. (Coll. Gas.)

- Henderson-Willis-Welding & Cutting Co.**—St. Louis, Mo. Welding Apparatus. Mch. Pal., 2d St. & Av. F.
- Hoffman Heater Company, The**, Lorain, Ohio. Gas Water Heaters. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
- Hugo Mfg. Co.**—Duluth, Minn. Radiators. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
- Industrial Instrument Co., The**, Foxboro, Mass. Collective Exhibit. Mfr. Pal., 5th St. & Av. A. Measuring Instruments, Gas Orifice Meters.
- Koppers, H. Co.**, Pittsburgh, Pa. Di-Products Coke. Mfr. Pal., Av. A & 5th St. (Coll. Gas.)
- Linde Air Products Co.**—New York, N. Y. Compressed Oxygen. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Lindsay Light Co.**, Chicago, Ill. Gas Light. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
- Majestic Manufacturing Co.**, St. Louis, Mo. Gas Ranges. Mfr., Av. D, cor. 7th St.
- Malleable Iron Fittings Co.**, Bradford, Conn. Pipe Fittings. V. I., Ave. B & 2nd St. (New Haven Col.)
- Metric Metal Works**—Erie, Pa. Gas Meters. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Meurer Bros. Co.**, Brooklyn, N. Y. Water Heaters. Mfr. Pal., Av. D, bet. 6th & 7th.
- Michigan Stove Co., The**, Detroit, Mich., & Chicago, Ill. Collective Gas. Mfr. Pal., 5th St. & Av. A. Garland Domestic and Hotel Gas Cooking Appliances, Gas Water Heaters and Garbage Burners, Complete Line Displayed.
- Mueller, H., Mfg. Co.**, Decatur, Ill., Sarnia, Ont., New York, San Francisco. Water & Gas Tapping Machines, service tools corporation, service, meter, cocks. Stop Boxes. Regulators. Water Meter Testers. Col. Gas Ex., 5th St. & Av. A.
- National Stove Co., Div.**, Lorain, O. Gas Ranges. Mfr. Pal., Av. A & 5th St. (Coll. Gas.)
- National Tube Co.**, Pittsburgh. Exh. of Pipe Fitting and Specialties.
- New Haven Mfrs.' Exhibit, Inc.**, New Haven, Conn. Col. Exh. V. I., Ave. B & 2nd St.
- New Process Stove Co., Div.**, Cleveland, O. Gas Ranges. Mfr. Pal., Av. A & 5th St. (Coll. Gas.)
- National Tube Co.**, Pittsburgh, Pa. Pipe Fitting. Collective Exhibit. Min. Pal.
- Oliver Continuous Filter Co.**—San Francisco, Cal. Filter. Min. Pal., 6th St., bet. Aves. A & B.
- Oxweld Acetylene Co.**—Chicago, Ill. Apparatus. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Pacific Tank & Pipe Co.**, San Francisco. Gas Holder Tanks for cleaning gas. Min. Pal., 6th St., bet. Aves. A & B.
- Parker-Russell Co., The**, St. Louis, Mo. Col. Ex. Mfr. Pal., 5th St. & Av. A. Gas Retort Benches, Retort Charging and discharging Machines, Water Gas Linings, Fire Clay Products.
- Peck & Draper Co.**—San Francisco, Cal. Radiators. Departmental Offices. Mfr. Pal.
- Rathbone, Sard & Co.**—Aurora, Ill. Cooking Appliances. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Ray, W. S. Mfg. Co.**, San Francisco, Cal. Burners for heaters. Mch. Pal., 5th St., bet. Aves. G & H.
- Reliable Stove Co., Div.**, Cleveland, O. Gas Ranges. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
- Reynolds Gas Regulator Co.**, Anderson, Ind. Gas Regulators. Mfr. Pal., Ave. A & 5th St. (Coll. Gas.)
- Ringen Stove Co., Div.**, St. Louis, Mo. Gas Ranges. Mfr. Pal., Ave. A & 5th St. (Coll. Gas.)
- Ritter-Conley Mfg. Co.**—Pittsburgh, Pa. Steel Construction. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Boots, P. H. & F. M. Co.**—Connersville, Ind. Gas Blower. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Rund Heater Company**—Pittsburgh, Pa. Water Heaters, Storage Warehouse No. 1. Exposition Grounds.
- Safety Gas Main Stopper Co.**, New York, N. Y. Gas Main Stoppers. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
- Sprague Meter Co.**—Bridgeport, Conn. Gas Meters. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Trenkamp Stove Mfg. Co., The**—Cleveland, Ohio. Gas Ranges. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Tucker, Mrs. J. L.**—Sacramento, Cal. Triple Gas Saves. Mfr., 5th St. & Av. A. (Coll. Gas.)
- U. S. Steel Corp'n. & Subdy. Cos.**, N. Y. Coll. Iron & Steel Exh. Mines Pal.
- Union Carbide Sales Co.**—New York, N. Y. Carbide. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Utility Gas & Appliance Sales Co.**, N. Y. Gas Heaters. Mch. Pal., 3rd St. & Av. F.
- Weir Stove Company**, Taunton, Mass. Gas Ranges. Mfr. Pal., Av. D & 6th St. "Coal, wood and gas ranges," "heating stoves and furnaces," "steam and water boilers."
- Western Gas Construction Co.**—Fort Wayne, Ind. Gas Making. Mfr., 5th St. & Av. A. (Coll. Gas.)
- Westmoreland Coal Co.**, Philadelphia, Pa. Collective Exhibit. Mfr. Pal., 5th St. & Av. A. Miners and Shippers of the famous "Westmoreland"—U. S. Standard—Gas Coal, from which are obtained daily maximum results, in gas works, producer Gas Plants, Locomotive Steaming and wherever a high grade and pure fuel is required.
- Witt, G. E., Co., Inc.**—San Francisco, Cal. Valves. Min. Pal., 5th St., bet. Aves. A & B.
- Wood, R. D. & Co.**—Philadelphia, Pa. Gas Apparatus. Mfr., 5th St. & Av. A. (Coll. Gas.)

GROUP 71

APPARATUS AND METHODS FOR LIGHTING NOT OTHERWISE CLASSIFIED

- Benjamin Electric Mfg. Co.**, New York, N. Y. Lighting Specialties. Mfr., 8th St., cor. Av. C.
- Camps, Geo. Ltd.**, San Francisco, Cal. Coll. Ex. Mfr., 7th St., bet. Aves. C & D.
- Clayes, Miss Margaret**, 177 Post St., San Francisco, Cal. Lamp Shades. Liberal Arts Palace, Court of the Universe Blvd., at 8th St. and Av. B, near Entrance.
- Coleman Lamp Co.**, Wichita, Kan. Boulevard Lamps. Mfr. Pal., 7th St., bet. Aves. C & D.
- Collective Gas Exhibit**. Accessories to lighting, etc. Mfr., 5th St. & Av. A.
- Cutter, Geo. Co.**, South Bend, Indiana. Ornamental Lighting Posts. Mfr., 8th St., cor. Av. C.
- Davis Acetylene Co.**, Elkhart, Ind. Acetylene Lighting Apparatus. Mfr., 5th St. & Av. A. (Coll. Gas.)
- De Laite Automatic Syndicate Co.**—San Francisco, Cal. Lighting Machines. Mch. Pal., 5th St. & Av. G.
- Ellanem Co., The**, New York, N. Y. Solidified Alcohol. Mfr., 7th St., bet. Aves. C & D.
- General Electric Co.**, Schenectady, N. Y. Mfr. Pal. "Home Electrical." Shades, Reflectors, etc.
- General Gas Light Co.**, Kalamazoo—Lamps. Mfr., 5th St. & Av.

Herber-Mulcairn Co.—San Francisco, Cal. Lighting Fixtures. Mch. Pal., 4th & 5th Sts. & Av. F.

Hyde, Henry O. Co., San Francisco, Cal. Mch. Pal., 4th St., bet. Aves. E & F. Methods of Lighting.

Kochler Manufacturing Co.—Marlboro, Mass. Lamps. Min. Pal., "The Mine."

MacLeod Co., The—Cincinnati, Ohio. Carbide Lights. Mch. Pal., Av. I & 1st St.

Mohrlite Company, Inc., San Francisco, Cal. Lighting Fixtures. Mfr. Departmental Offices.

Mueller, H. Mfg. Co., Decatur, Ill. Coll. Gas Ex. Mfr., 5th St. & Av. A. Water and Gas Tapping Machines; Water, Gas, Steam, Air, Oxygen, Acetylene Regulators; Water and Gas Service Tools; Water, Gas and Plumbing Brass Goods; Drinking Fountains; Check Valves; Water Meter Testers.

Safety Car Heating & Lighting Co., The, N.Y. Gas Lanterns. Mch. Pal., 1st St. & Av. D.

Safety Gas Lighter Co.—Haverhill, Mass. Gas Lighters. Mfr., 5th St. & Av. A. (Coll. Gas.)

Shapiro & Aronson—New York, N. Y. Electric Fixtures. Mfr., 5th St. & Av. A. (Coll. Gas.)

Union Metal Mfg. Co., Canton, O. Metal Columns. Min. Pal. Combined with U. S. Steel Corp'n. Exh.

Utility Gas & Appliance Sales Co., N. Y. Gas Heaters. Mch. Pal., 3rd St. & Av. F.

Welsbach Company, Gloucester, N. J. Lighting Appliances and Apparatus. Mfr. Pal., Av. A. cor. 6th St. (Collective Gas Exhibit.)

GROUP 72

TEXTILE MATERIALS, SPINNING AND ROPE MAKING

Graton & Knight Mfg. Co., Worcester, Mass. Mch. Pal., 2nd St. & Av. H. Mill Strapping.

Olsen, Pinus Testing Machine Co., Philadelphia, Pa. Testing Machines. Mch. Pal., 1st St. & Av. E.

Tubbs Cordage Company, San Francisco, Cal. 8th St., bet. Aves. C & D. Rope Making Machinery.

GROUP 74

EQUIPMENT AND PROCESSES USED IN BLEACHING, DYEING, PRINTING AND FINISHING TEXTILES IN THEIR VARIOUS STAGES

American Ironing Machine Co., Chicago, Ill. Laundry Ironing Machines, Vacuum Washer Skirt Boards & Dryers. Mfr. Bldg., 7th St., bet. Aves. C & D.

American Laundry Machinery Company, The, New York, N. Y. Mfr., 7th, Av. D & 8th. Modern Laundry Machinery, Factories and Offices at Cincinnati, Chicago, and Rochester. Office at New York. Western Laundry Machinery Company, San Francisco and Los Angeles, Cal., Pacific Coast Agents.

International Acheson Graphite Co.—Niagara Falls, N. Y. Graphite Anodes. Min. Pal., Av. C, bet. 4th & 5th Sts.

Pacific Tank & Pipe Co., San Francisco, Cal. Wood Tanks for Laundry Use. Min. Pal., 6th St., bet. Aves. A & B.

United States Hoffman Co., Syracuse, N. Y. 8th St., bet. Aves. C & D. Sanitary

Washes; Knit Goods, and Laundry Machinery.

GROUP 75

EQUIPMENT AND PROCESSES USED IN SEWING AND MAKING WEARING APPAREL

Armstrong Cork Co.—Pittsburgh, Pa. Lap Boards. Mfr., Av. A & 6th St.

Atkins, E. C. & Co., Indianapolis, Ind. Leather Splitting Knives. Mfr. 5th St., bet. Aves. C & D.

Disston, Henry & Sons, Inc., Philadelphia, Pa. Cloth Knives and Leather Splitting Knives. Mfr. Pal., Av. C, cor. 6th St.

Dover Mfg. Co., The, Canal Dover, Ohio. Irons. Mfr., 7th St., bet. Aves. C & D.

Eastman Machine Co., Buffalo, N. Y. Mfr., 7th & 8th Sts., bet. Aves. C & D. Manufacturers. Alternating and direct current reciprocating cloth cutting machine. Alternating and direct current rotary cloth cutting machine. W. & J. cuff-making machine.

General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Electric Tailors' Flatirons, Sewing Machine Motors, etc.

Imbrie, A. F.—San Rafael, Cal. Glove Turning Devices. Mfr., Av. B & 6th St.

King Sewing Machine Co., Buffalo, N. Y. Mfr. Pal. General Electric Co. "Home Electrical." Electric Sewing Machines.

Lewis Blind-Stitch Machine Company, St. Louis, Mo. Mfr., 7th & 8th Sts., bet. Aves. C & D. Lock stitch and chain stitch blind-stitch sewing machines, for padding coat fronts and collars; filling linings in sleeves; waistband linings and curtains in trousers. Unlined coats and half-lined coats; trousers bottoms, plain and cuffs; overcoat facings and bottoms; cloak facings and bottoms.

McBride, C. L. Co.—Toledo, Ohio. Glove Stretchers. Mfr., Av. B & 6th St.

Sears-Roebuck, Chicago, Ill. Mfr. Pal. General Electric Co. "Home Electrical." Electric Sewing Machines.

Universal Button Fastening & Button Co., Detroit, Mich. Mfr., 7th & 8th Sts., bet. Aves. C & D. All kinds of metal buttons; automatic button attaching machine; cloth pressing machine.

Union Special Machine Company of Chicago—Sewing Machines, Mfr. Pal., 7th & 8th Sts., bet. Aves. C & D. Double Needle, Flat-bed and Side-wheel Sewing Machines. Various other styles in operation, but not described. See Levi Strauss & Company's Exhibit. Pacific Coast Office, 682 Mission St., San Francisco.

GROUP 76

THREADS AND FABRICS OF COTTON

Sun Tent & Awning Co., San Francisco, Cal. Cotton Duck. Mfr., 7th St., cor. Av. A.

Naumkeag Steam Cotton Co.—Salem, Mass. Pillow Cases. Emergency Hospital, Service Bldg.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC.; CORDAGE

Bibb Manufacturing Co.—Macon, Ga. Twines. Mfr., 7th St. & Av. A.

International Harvester Company of America, Chicago, U. S. A. Agr., 4th St., bet. Aves. B & C. Cordage, cables, rope and twine.

Samson Cordage Works, Boston, Mass. Cordage. Mfr., 5th St., Av. D & 6th St.

Sun Tent & Awning Co., San Francisco, Cal. Duck. Mfr., 7th St., cor. Av. A.

Tubbs Cordage Co., San Francisco, Cal. Cordage. Mfr., 8th St., bet. Aves. C & D.

Weeks-Howe-Emerson Co., San Francisco, Cal. Canvas & Twines. Mfr., 7th St., cor. Av. A.

Waite Grass Carpet Co., Oshkosh, Wis. Wire Grass Rugs. Mfr., 6th St., bet. Avs. B & C.

GROUP 65

UPHOLSTERERS DECORATIONS

Continental Bedding Manufacturing Co., S. F., Cal. Mattresses & bedding. 5th St., bet. Avs. B & D.

Mahony, H. J. Co., San Francisco, Cal. Window Shade Coverings. Mfr., 7th St., bet. Avs. C & D.

Weeks-Howe-Emerson Co., San Francisco, Cal. Flags. Mfr., 7th St., cor. Av. A.

GROUP 66

CERAMICS

American Encaustic Tiling Co.—Zanesville, Ohio. Tile Walls. Emergency Hospital, Service Bldg.

Thermos Brick Co. of America, The, San Francisco, Cal. Mfr., 6th St., bet. Avs. C & D. Bricks.

Thermos Company, Inc., The, Newark, N. J. Mfr. 6th St., bet. Avs. C & D. Bricks.

GROUP 67

PLUMBING AND SANITARY MATERIALS

Armstrong Cork Co.—Pittsburgh, Pa. Washers. Mfr., Av. A & 6th St.

Bridgeport Brass Co.—Bridgeport, Conn. Plumbers' Specialties. Min. Pal., Av. B, bet. 5th & 6th Sts.

Crane Co., Chicago, Ill. Plumbing Materials. Mfr. Av. C, cor. 7th St.

Devlin, Thomas Man'g Co., Philadelphia, Pa. Pipe Fittings. Mfr., 6th St., bet. Avs. O & D.

Dresser, S. K. Mfg. Co., Bradford, Pa. Steel Pipe Couplings. Mfr., 5th St. & Av. A. (Coll. Gas.)

Fuller, W. P. & Co., San Francisco, Cal. Mirrors. Min. Pal., Av. C, bet. 4th & 5th Sts.

Glanber Brass Mfg. Co.—Cleveland, Ohio. Plumbers' Supplies. Mfr., Av. C & 6th St.

Ingersoll-Rand Co., New York, N. Y. Oil Forges. Min. Pal. "The Mine."

MacLeod Co., The—Cincinnati, O. Lead Melting Furnace. Mch. Pal., Av. I & 1st St.

Mueller, H. Mfg. Co., Decatur, Ill., Sarnia, Ont., New York, San Francisco. Water Tapping Machines, Plumbing Brass Goods, Tools, Regulators, Drinking Fountains. Col. Gas, Ex., 5th St. & Av. A.

National Enameling & Stamping Co., Milwaukee, Wis. Kitchen Sinks. Min., 8th St., cor. Av. C.

Simonds Mfg. Co., Fitchburg, Mass. Steel Discs. Mfr. 6th St., bet. Avs. C & D.

Smith, A. P., Mfg. Co., The—Orange, N. J. Furnaces for Melting Lead. Mch. Pal., 2d St. & Av. G2.

Sprague, William P., M. D., San Francisco, Cal. Liquid Soap Dispenser. Mfr., Av. C, cor. 7th St.

Standard Sanitary Mfg. Co., Pittsburgh, Pa. Mfr. Pal. General Electric Co. "Home Electrical." Bathing Apparatus, Lavatory Fittings.

West Disinfecting Co.—San Francisco, Cal. Sanitary Materials. Lib. Arts Pal., Av. C, cor. 10th St.

Westinghouse Electric & Mfg. Co.—Pittsburgh, Pa. Soldering Pots. Mch. Pal., 2d St. & Av. C2.

Williams, J. H., Co.—Brooklyn, N. Y. Plumbers' Tools. Mch. Pal., 2nd St. & Av. E.

GROUP 68

GLASS AND CRYSTAL

Armstrong Cork Co.—Pittsburgh, Pa. Polishing Wheels. Mfr., Av. A & 6th St.

GROUP 69

APPARATUS AND PROCESSES FOR HEATING AND VENTILATION

American Blower Co., Detroit, Mich. Mfr. Pal. General Electric Co. "Home Electrical." Electric Ventilating Sets.

American Radiator Co., Chicago, Ill. Mfr. Av. D, bet. 5th & 7th Sts. The Ideal Boilers. The American Heat Radiators. Working Exhibit of Ideal Boilers and American Ha-

Carborandum Co.—Niagara Falls, N. Y. Polishing Wheels. Mch. Pal., 4th St. & Av. H. diators in Horticultural Building. This building is heated entirely by our system. Inspection invited at Power Plant in Horticultural Gardens.

Am. Sheet & Tin Plate Co., Pittsburgh, Pa. Stove & Range Sheets. Mines Palace.

American Standard Oil Burner Co.—Oakland, Cal. Crude Oil Burners. Mch. Pal., 5th St. & Av. H.

American Stove Co., St. Louis, Mo. Gas Stoves. Mfr., 5th St. & Av. A. (Coll. Gas.)

Bristol Company, The, Waterbury, Conn. Mch. Pal., 2nd St., cor. Av. D. Electric Recording Pyrometers for gas making machines. Automatic Temperature and pressure regulators.

Campe, Geo. Ltd., San Francisco, Cal. Coll. Ex. Mfr., 7th St., bet. Avs. C & D.

Century Electric Co., St. Louis, Mo. Electric Fans. Mch. Pal., 1st St. & Av. C.

Champion Stove Co., The, Cleveland, O. Coal Ranges. Mfr., Av. D, cor. 5th St.

Clark, Geo. M., & Co., Div.—Chicago, Ill. Stoves. Mfr., 5th St. & Av. A. (Coll. Gas.)

Cleveland Foundry Co., The, Cleveland, O. Mfr., Av. D, bet. 5th & 6th Sts. Manu-

facturers of oil cooking stoves, oil heating stoves and cooking utensils. Perfection smokeless oil heaters. New Perfection oil cooking stoves. New Perfection

fireless oil cooking stoves. Cabinets for New Perfection oil stoves. New Perfection

yacht stoves. New Perfection water heater.

New Perfection broiler. New Perfection

toaster. New Perfection pancake griddle.

New Perfection radiator heater. New Per-

fection steel oven. The skill and experience

of oil burning devices is back of the Per-

fection line, the best materials, careful

workmanship, standardized methods, con-

stant inspection. The result—Perfection

products give universal satisfaction and

best results.

C. C. Elze Gas Exhibit. Cooking Apparatus.

Mch., 5th St. & Av. A.

C. C. & W. M. Co., New York, N. Y. Gas

Stoves. Mfr., 5th St. & Av. A. (Coll. Gas.)

Decker Stove Co., Div. Cleveland, O. Gas

Ranges. Mch., 5th St., Av. A. (Coll. Gas.)

Detroit Stove Works. Detroit, Mich. Stoves,

Ranges. Mch., 5th St. & Av. A. (Coll. Gas.)

Dresser, S. R., Mfr. Co., Bradford, Pa. Steel

Pipe Couplings. Mfr., 5th & Av. A. (Coll.

Gas.)

Eclipse Gas Stove Co.—Rockford, Ill. Stoves,

Ranges. Mch., 5th St. & Av. A. (Coll. Gas.)

Ellanor Co., The, New York, N. Y. Solidified

Alcohol. Mfr., 7th St., bet. Avs. C & D.

Estate Stove Co.—Hamilton, Ohio. Stoves,

Ranges. Mfr., 5th St. & Av. A. (Coll. Gas.)

Fess System Co., Inc., S. F., Cal. Burners for

Heaters. Mch., 5th St. & Av. F.

Fixboro Co., The—Fixboro, Mass. Recording

Thermometers. Mch. Pal., 3d St. & Av. C2.

General Electric Co., Schenectady, N. Y.

Mfr. Pal. "Home Electrical." Electric

Air Heaters, Water Heaters, Exhaust Fans,

Ranges, Broilers, Ovens, etc. Horticultural

Pal. Power Plant, see "Horticultural" sec.

Griswold Mfg. Co.—Erie, Pa. Cooking Utensils. Fd. Pr. Pal., 4th St., bet. Avs. D & E.
Hugo Mfg. Co.—Duluth, Minn. Radiators. Mfr., 5th St. & Av. A. (Coll. Gas.)
Industrial Instrument Co., The, Foxboro, Mass. Recording Thermometers & Pyrometers. Mch. 3rd St. & Av. C-2.
Jarvis, T. P., Crude Oil Burner Co.—San Francisco, Cal. Oil Burners. Fd. Pr. Pal., 5th & 6th Sts., bet. Avs. B & C.
Koppers, H. Co., Pittsburgh, Pa. Gas Ovens. Mfr., Av. A & 5th St. (Coll. Gas.)
Lukensheimer Co., The, Cincinnati, O. Pal. of Mch. 1st St. & Av. G. Valves for steam use; Valves; Miscellaneous.
Majestic Manufacturing Co., St. Louis, Mo. Ranges. Mfr., Av. D, cor. 7th St.
Maurer Bros. Co., Brooklyn, N. Y. Ventilators. Mfr., Av. D, bet. 6th & 7th Sts.
Michigan Stove Co., The, Detroit, Mich. Gas Ranges. Mfr., 5th St. & Av. A. (Coll. Gas.)
National Enameling & Stamping Co., Milwaukee, Wis. Cooking Utensils. Mfr., 8th St., cor. Av. C.
National Stove Co., Div., Lorain, O. Gas Ranges. Mfr., Av. A & 5th St. (Coll. Gas.)
National Tube Co., Pittsburgh, Pa. Model of heating system. Mines Palace.
New Process Stove Co., Div., Cleveland, O. Gas Ranges. Mfr., Av. A & 5th St. (Coll. Gas.)
Peck & Draper Co.—San Francisco, Cal. Radiators. Departmental Offices, Palace of Manufactures.
Philadelphia Hardware & Malleable Iron Works, Philadelphia, Pa. Registers. Mfr., 6th St., bet. Avs. C & D.
Rathbone, Sarg & Co.—Aurora, Ill. Cooking Appliances. Mfr., 5th & Av. A. (Coll. Gas.)
Ray Mfg. Co., San Francisco, Cal. Burners for heaters. Mch. 5th St., bet. Avs. G & H.
Reliable Stove Co., Div., Cleveland, O. Gas Ranges. Mfr., 5th St. & Av. A. (Coll. Gas.)
Reynolds Gas Regulator Co., Anderson, Ind. Gas Regulators. Mfr., Av. A & 5th St. (Coll. Gas.)
Ringen Stove Co., Div., St. Louis, Mo. Gas Ranges. Mfr., Av. & 5th St. (Coll. Gas.)
Robbins & Myers Co., The, Springfield, O. Exhaust Fans. Mch. 2nd St. & Av. C-2.
Taylor Instrument Co.—Rochester, N. Y. Pyrometers, Etc. Mch. Pal., 1st St. & Av. I.
Trenkamp Stove Mfg. Co., The—Cleveland, Ohio. Gas Ranges. Mfr., 5th St. & Av. A. (Coll. Gas.)
U. S. Steel Corp'n & Subsidy Cos., N. Y. Coll. Iron & Steel Exhibit. Mines Palace.
Wagner Manufacturing Co., The, Sidney, O. Aluminum Ware. Mfr., 8th St., bet. Avs. C & D.
Weir Stove Co., Taunton, Mass. Mfr. Av. D & 6th St. Coal wood ranges, heating stoves, etc.
Western Electric Company, New York, N. Y. Electric Fans. Mfr., 8th St. & Av. C.
Westinghouse Machine Co., Pittsburgh, Pa. Steam turbines and accessories. Condenser with auxiliaries. 4th St. & Av. C.

GROUP 70

MANUFACTURE, DISTRIBUTION AND USES OF GAS FOR LIGHT AND FUEL

A. B. Stove Company, Battle Creek, Mich. Gas Ranges. Mfr., Av. D, bet. 5th & 6th Sts.
American Meter Co.—New York, N. Y. Gas Meters. Mfr., 5th St. & Av. A. (Coll. Gas.)
American Stove Co., Chicago, Ill. Gas Stoves. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
Barnett-Hayward Co.—Baltimore, Md. Gas Apparatus. Mfr., 5th St. & Av. A. (Coll. Gas.)

Berkeley Electric Cooker Co., Berkeley, Cal. Gas Ovens. Mfr., 8th St., bet. Avs. C & D.
Bristol Co., The, Waterbury, Conn. Gas Meters. Mch. Pal., 2nd St. & Av. D.
By-products Coke Corporation—Chicago, Ill. Gas, Coal, Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
Champion Stove Co., The, Cleveland, Ohio. Gas Ranges. Mfrs. Pal., Av. D, cor. 5th St.
Chapman Valve Mfg. Co., Indian Orchard, Mass. Steam Valves; Water Valves and Hydrants; Gas Valves; Exhibit installed in the Division of the City of Springfield.
Central Hardware Co., Inc.—Los Angeles, Cal. Furnaces. Mfr., 5th St. & Av. A. (Coll. Gas.)
Clark, Geo. M. & Co., Div.—Chicago, Ill. Stoves. Mfr., 5th St. & Av. A. (Coll. Gas.)
Collective Gas Exhibit. Gas Making, Heating Apparatus. Mfr., 5th St. & Av. A.
Connelly Iron Sponge & Governor Co., New York, N. Y. Iron Sponge. Mfr. Pal., 5th St. and Av. A. (Coll. Gas.)
Consolidation Coal Company, The, Baltimore, Md. Gas Coal and Coke. Mfr., Av. A, cor. 5th St. (Coll. Gas. Ex.)
Crane, W. M. Co., New York, N. Y. Gas Ranges. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
Dangler Stove Co., Div., Cleveland, O. Gas Ranges. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
David P. Co.—San Francisco, Cal. Manholes. Mfr., 5th St. & Av. A. (Coll. Gas.)
Davis-Bournonville Co.—Jersey City, N. J. Cutting Apparatus. Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
Davis Acetylene Co., Elkhart, Ind. Stoves. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
DeLaitte Gas Machine Manufacturing Co., San Francisco, Cal. Gas Heating and Lighting Machinery. Mch. Pal., 5th St. & Av. G.
Detroit Stove Works—Detroit, Mich. Stoves. Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
Devlin, Thomas Man'g Co., Philadelphia, Pa. Pipe Fittings. Mfr., 6th St., bet. Avs. C & D.
Doak Gas Engine Co.—Oakland, Cal. Gas Engines. Mch. Pal., 4th St. & Av. F.
Dover Mfg. Co., The, Canal Dover, Ohio. Gas Irons. Mfr., 7th St., bet. Avs. C & D.
Dresser, S. B., Mfg. Co., Bradford, Pa. Steel Pipe Couplings. Mfr. Pal., 5th St. & Av. A. (Coll. Gas.)
Eclipse Gas Stove Co., Rockford, Ill. (Collective Exhibit). Mfr. Pal., 5th St. & Av. A. Manufacturers of Gas Ranges for domestic, restaurant and hotel use, gas water heater, space heaters, and gas appliances. This exhibit is with the Collective Gas Exhibit in the Manufactures Palace. Don't fail to see it.
Estate Stove Co.—Hamilton, Ohio. Stoves. Etc. Mfr., 5th St. & Av. A. (Coll. Gas.)
Fess System Co., Inc., San Francisco, Cal. Burners for Heaters. Mch. Pal., 5th St. & Av. F.
Foxboro Co., The, Foxboro, Mass. Collective Exhibit. Mfr. Pal., 5th St. & Av. A. Measuring Instruments, Gas Orifice Meters.
General Gas Light Company, San Francisco, Cal. Gas Arc Lamps. Mfr. Pal., 5th St. & Av. A. Humphrey Gas Arc Lamps; Humphrey Gas Mantles; Humphrey Semi-Indirect Fixtures; Humphrey Gas Irons; Gas Lighting Equipment of all kinds; Main Office & Factory, Kalamazoo, Mich. New York, London, E. C., and Wellington, New Zealand.
Glauber Brass Mfg. Co.—Cleveland, Ohio. Gas Works Supplies. Mfr., Av. C & 6th St.
Great Western Cutting & Welding Co.—San Francisco, Cal. Welding Outfit. Mch. 1st St. & Av. I.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBERS

Paraffine Paint Co., The—San Francisco, Cal.
Roofing Felt. Min. Pal., Av. B & 7th St.

GROUP 81

INDUSTRIES PRODUCING WEARING APPAREL FOR MEN, WOMEN AND CHILDREN

Strauss, Levi & Co., San Francisco, Cal. Mfr. 7th & 8th Sts., bet. Aves. C & D. Overalls; Two Horse Brand; Koveralls; Two Horse Brand (Children's Play Garment) Koverall Nighties; Two Horse Brand Shirts; Sunset; Pants; Levi Strauss Make.

GROUP 82

FURS AND SKINS, FUR CLOTHING; LEATHER, BOOTS AND SHOES

Anatomik Footwear Co.—New York, N. Y. Shoes. Mfr., 6th & 7th Sts., bet. Aves. B & C.
Armstrong Cork Co.—Pittsburgh, Pa. Insoles. Mfr., Av. A & 6th St.
Ashby, Crawford Co.—Marlborough, Mass. Shoes. Mfr., 6th & 7th Sts., bet. Aves. B & C.
Assoc. Glove Mfrs. of Cal., S. F. Wkg. Exh. of gloves. Mfr. Av. B, cor. 6th St.
Bergmann, Theo., Shoe Mfg. Co., Inc., Portland, Ore. Shoes. Mfr., 6th & 7th, bet. Aves. B & C.
Clapp, Edwin & Sons, Inc., East Weymouth, Mass. 6th & 7th Sts., bet. Aves. B & C. Men's Fine Shoes, Highest Grade only.
Cook, A. J. & J. R., San Francisco, Cal. Coll. Exh. of Leather. Mfr., 7th St., bet. Aves. B & C.
Frank & Hyman—San Francisco, Cal. Shoes. Mfr., 6th & 7th Sts., bet. Aves. B & C.
Frank, S. H. & Co., San Francisco, Cal. Mfr. 6th St., cor. Av. B. Leather for shoes.
Graton & Knight Mfg. Co., Worcester, Mass. Pal. of Mch., 2nd St. & Av. H. Hand Leathers and Aprons.
Johansen Bros. Shoe Company, St. Louis, Mo., and San Francisco, Cal. Mfr. 6th & 7th Sts., bet. Aves. B & C. Women's and children's shoes.
Keith Company, George E. Campello, Brockton, Mass. Mfr. Av. C & 6th St. Walk-Over Shoes, for Men and Women.
Johnston & Murphy Newark, N. J. Shoes. Mfr., 6th & 7th Sts., bet. Aves. B & C.
Kullman, Salz & Co., San Francisco, Cal., Chicago. Tannery, Benicia, Cal. Oak Sole, Harness, Skirting Leather and Cut Stock. Mfr., 7th St., cor. Av. B.
Lackawanna Leather Co., Hackettstown, N. J. Leather. 7th St., bet. Aves. B & C. Spanish and Morocco Leather.
Laird, Schober & Co.—Philadelphia, Pa. Shoes. Mfr., 6th & 7th Sts., bet. Aves. B & C.
Legallet-Hellwig Tanning Co., S. F., Cal. Mfr. 7th St., bet. Aves. B & C. Leather.
Nolan Earle Shoe Co.—San Francisco, Cal. Shoes. Mfr., 6th & 7th Sts., bet. Aves. B & C.
Northwestern Leather Co., Boston, Mass. Leather. Pal. of Mfr., 7th St., bet. Aves. B & C. Chrome and bark tanned side upper leather.
Pfister & Vogel Leather Co., Milwaukee, Wis. Mfr., 6th St., bet. Aves. B & C. Tanners of a large variety of high-grade shoe uppers and sole, harness and glove leathers. Used the world over.
Reuping, Fred Leather Co., Fon du Lac, Wis. Leather. Pal. of Mfr., 7th St., bet. Aves. B & C. Chrome tanned calf and side-upper shoe leathers.

Rice & Hutchins, Inc., Boston, Mass. Mfr. Av. C, cor. 7th St. Manufacturers of Boots & Shoes.

Rosenthal's, Inc.—San Francisco, Cal. Shoes.

Mfr., 6th & 7th Sts., bet. Aves. B & C.

Schmidt, Carl E. & Co., Inc., Detroit, Mich.

Leather. Mfr. 7th St., bet. Aves. B & C.

Black and colored calf skins.

Sommer & Kaufmann—San Francisco, Cal.

Coll. Shoe Ex. Mfr., 6th & 7th Sts., bet.

Aves. B & C.

United States Leather Co., New York, N. Y.

Leather. Mfr., Av. B, cor. 6th St. Sole

Leather; Belting Leather; Harness Leather;

Skirting Leather.

Wagner Leather Co., San Francisco, Cal.

Leather. Mfr., Av. B, cor. 7th St.

GROUP 83

VARIOUS INDUSTRIES CONNECTED WITH CLOTHING

Stetson, John B., Company, Philadelphia, Pa.

Mfr. Av. C, cor. 7th St. Hats, soft and

stiff, of the finest quality of fur felt.

Strauss, Levi & Co., San Francisco, Cal.

Mfr., 7th & 8th Sts., bet. Aves. C & D.

Overalls; Two Horse Brand; Koveralls;

Two Horse Brand, (Children's Play Garment)

Koverall Nighties; Two Horse

Brand; Shirts; Sunset; Pants; Levi Strauss

Make.

Union Special Machine Company, of Chicago.

Sewing Machines. Double needle, flat-bed

sewing machine for felling; double needle,

side-wheel sewing machine for felling; double

needle, flat-bed sewing machine connected

to pulling machine for attaching bib

to bib-overalls. Over-edging trimming

machine for finishing pockets; single needle,

right-hand cylinder sewing machine for hem-

mung bottom of leg of overalls. Various

other styles in operation, but not described.

Branch office for Pacific Coast, 682 Mis-

sion St., San Francisco, Cal.

Mfr. Pal., 7th & 8th Sts., bet. Aves. C & D.

Universal Button Fastening & Button Co., De-

troit, Mich. Buttons. Mfr., 7th & 8th Sts.,

bet. Aves. C & D.

GROUP 84

SAFETY APPLIANCES

American Pulley Co., The, Philadelphia, Pa.

Sash Pulleys. Mch. Pal., 4th St. & Av. I.

Pressed metal sash pulleys; miscellaneous

pressed and drawn metal shapes. See Ex-

hibit in Block 45, in Machinery Building.

Atkins, E. C. & Co., Indianapolis, Ind. Saw

Guards. Mfr. 5th St., bet. Aves. C & D.

Bristol Co., The, Waterbury, Conn. Safety

Set Screws. 2nd St. & Av. D.

David Co., P., San Francisco, Cal. Av. A &

5th St. Call. Gas. Patent Safety Manhole

saves life, time and money. A new inven-

tion especially adapted for Gas, Electricity

and Steam Manholes and all underground

work. It is easy to install and there is

nothing to get out of order—cost no more

than manholes now in use. Allows work-

men to enter manhole immediately upon

opening. P. David Company, Sole Mfg'rs.

Graton & Knight Mfg. Co., Worcester, Mass.

Pal. of Mch., 2nd St. & Av. H. Hand

Leathers and Aprons.

Harron, Rickard & McCone—San Francisco,

Cal. Safety Goggles. Mch. Pal., 4th &

5th Sts., bet. Aves. G & H.

International Harvester Company of America,

Chicago, U. S. A. Agr. Pal., 4th St., bet.

Aves. B & C. Safety appliances and de-

vices for protection of those engaged in

manufacturing.

Lunkenheimer Co., The, Cincinnati, O. Engineering Appliances. Mch. Pal., 1st St., Av. G-2. Valves for Steam Use; Valves; Miscellaneous; Ground Key Work. Exhibit installed in Block 6, in Palace of Machinery.

Morrison Safety Ladder Foot Suction Grips Co., The, Lowell, Mass. Safety Appliances. Trans. Pal., 5th St., bet. Aves. D & F.

Patent Scaffolding Co., New York, N. Y. Pal. of Mch., 5th St. & Av. I. Safety Scaffolds. Parrott & Co., S. F., Coast Repres. See ad on front cover of Machinery Catalogue.

U. S. Steel Corp'n & Subsidiary Cos., New York. Collective Safety Appliances Exhibit. Mines Palace.

Am. Bridge Co.

Am. Sheet & Tin Plate Co.

Am. Steel & Wire Co.

Bunsen Coal Co.

Carnegie Steel Co.

Duluth & Iron Range R. R. Co.

Duluth, Missabe & Northern Ry. Co.

H. C. Frick Coke Co.

Illinois Steel Co.

Oliver Iron Mining Co.

National Tube Co.

Tenn. Coal, Iron & R. R. Co.

UNITED STATES GOVERNMENT

United States Post Office Department—A
Model Post Office will be maintained in the Mines Palace. Here all the workings of the service will be shown and the post facilities of the Exposition provided. Mail addressed in care of the Exposition will be delivered through the Model Post Office or held there subject to order. Carriers will deliver and collect mail throughout the Exposition Grounds. Mail boxes will be placed at convenient points; special delivery, registry, parcel post, money order and postal savings service will be provided. There will be shown an exhibit of United States postage stamps of every issue since the adoption by the United States of this means of collecting postage. All workings of the Model Post Office will be carried on in full view of visitors. Motion pictures of all phases of mail handling operations will be shown in the motion picture room of the Mines Palace. A standard steel Railway Post Office car will be shown in operation in the Transportation Building.

DEPARTMENT OF BIOLOGY

Agr. Pal., Ave. D, bet. 4th & 6th Sts.

GROUP 54

HUNTING EQUIPMENT AND PRODUCTS OF HUNTING

United States Natural Museum—Washington, D. C. Elk from Yellowstone National Park. Fd. Pr. Pal., 1st & 2nd Sts., bet. Aves. D & E.

GROUP 55

FISHING EQUIPMENT AND PRODUCTS

Bureau of Fisheries—Washington, D. C. Fishing Equipment.

DEPARTMENT OF THE INTERIOR

Lb. A. Pal., Ave. A, bet. 1st & 5th Sts.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Office of Indian Affairs—Washington, D. C. Baskets made by Indians.

DEPARTMENT OF THE INTERIOR

Min. Pal., Ave. A, bet. 3rd & 4th Sts.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Alaska—Baskets.

GROUP 66

CERAMICS

Bureau of Standards—Washington, D. C. Work to promote Ceramic Industry.

GROUP 68

GLASS AND CRYSTAL

Alaska—Bottles.

DEPARTMENT OF THE NAVY

Mch. Pal., 1st St., bet. Aves. A & B.

GROUP 48

CLOCK AND WATCH MAKING

Bureau of Navigation—Washington, D. C. Marine Chronometers.

GROUP 81

INDUSTRIES PRODUCING WEARING APPAREL FOR MEN, WOMEN AND CHILDREN

United States Marine Corps—Washington, D. C. Uniforms and Clothing.

WAR DEPARTMENT

GROUP 60

HARDWARE AND WOODENWARE

Quartermaster Corps, U. S. Army—Washington, D. C. Horse Shoes.

GROUP 65

UPHOLSTERERS' DECORATIONS

Quartermaster Corps, U. S. Army—Washington, D. C. Flags.

GROUP 82

FURS AND SKINS, FUR CLOTHING; LEATHER, BOOTS AND SHOES

Quartermaster Corps, U. S. Army—Washington, D. C. Shoes.

FOREIGN GOVERNMENTS

BOLIVIA

Bolivian Pav., Av. of Nations, opp. Canada

GROUP 54

HUNTING EQUIPMENT AND PRODUCTS
OF HUNTINGBolivian Government—La Paz. Skins of
Chinchilla, Llama, Alpaca and Vicuna.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBERS

Bolivian Government—La Paz. Cloths of Al-
paca, Llama, Vicuna and Sheep Wool.

GROUP 82

FURS AND SKINS, FUR CLOTHING;
LEATHER, BOOTS AND SHOESBolivian Government—La Paz. Lap Rugs,
Alpaca, Vicuna and Llama Skins—tanned of
Llama, Vicuna and Alpaca. Sole Leather,
Etc.

FRANCE

Mfr. Pal., Aves. B & C., bet 1st and 3rd Sts.

GROUP 82

FURS AND SKINS, FUR CLOTHING;
LEATHER, BOOTS AND SHOESAbsire-Sevrey—à Rouen (Seine-Inf.) Hides
and Skins.

Abry, L.—Lyon (Rhône). Hides and Skins.

Bernard, E. Fils—Paris. Hides and Skins.

Berthia, Louis—Gentilly (Seine). Hides and
Skins.Chambre Synd. des Mégissiers—Annonay (Ar-
dèche). Hides and Skins.Combe, A., et Fils et Cie—St. Denis, Paris.
Hides and Skins.Combe, A., et Fils et Cie—Annonay (Ar-
dèche). Hides and Skins.

Dolat—Dumas, Paris. Hides and Skins.

Domange, A., et Fils—Paris. Hides and
Skins.Fortier-Beaukieu—à Romane (Loire). Hides
and Skins.Groupement des Mégissiers de Granthet—
(Tarn). Hides and Skins.Galibert et Sarrat—Mazamet (Tarn). Hides
and Skins.Hervé, J.—Chateaufrenault (Indre-et-Loire).
Hides and Skins.Krau, Ed. et M., et Cie—Paris. Hides and
Skins.Lanier, Victor, et Fils—Paris. Hides and
Skins.LeBlanc Rigollet et Serve—Lyon (Rhône).
Hides and Skins.Lehmann, Louis—Sireuil (Charente). Hides
and Skins.Lepage, René — Segré (Maine and Loire).
Hides and Skins.

Maillet, Léonce—Limoges. Hides and Skins.

Marchand, Charles—Paris. Hides and Skins.

M... et O...—Paris. Hides and Skins.

...—Nantes. Hides and Skins.

... et Fils—Versailles. Hides and

Placide-Peltreau, Enault & Co.—Paris. Hides
and Skins.

Poullain-Bourier—Paris. Hides and Skins.

Prévôt-Carrière et Fils—Paris. Hides and
Skins.Société Ulysse Roux & Cie—Rômans (Drome.)
Hides and Skins.Syndicat Général des Curis & Paux de France
Paris. Hides and Skins.Tanneries Lyonnaises—Lyon (Rhône). Hides
and Skins.Tennesson, J.—(Indre and Loire). Hides and
Skins.Zwingeistein, les fils de L.—Rennes. Hides
and Skins.French Pav., Ave. of Nations, bet. Panama and
Lafayette Aves.

GROUP 45

CUTLERY

Sté. Générale de Coutellerie et Orfèvrerie—
Paris. Cutlery.

Valladère Fils, à Olliergues (P-de-D).

GROUP 46

SILVERSMITHS' AND GOLDSMITHS'
WAREAuger Frères—Paris. Gold and Silverware.
Boulenger, Ch. et Cie—Paris. Gold and Sil-
verware.

Bourgey—Paris. Gold and Silverware.

Christofle et Cie—Paris. Gold and Silver-
ware.

Henry Frères—Paris. Gold and Silverware.

GROUP 47

JEWELRY

Armand-Calliat—Lyon. Jewelry.

Boivin, Victor—Paris. Antique Jewelry.

Carotte—Paris. Jewelry.

Demaré—Paris. Jewelry.

Fouquet—Paris. Jewelry.

Leroy—Paris. Pearls and Pearl Jewelry.

GROUP 81

INDUSTRIES PRODUCING WEARING AP-
PAREL FOR MEN, WOMEN
AND CHILDREN

Beer, G.—Paris. Robes.
Callot Sisters—Paris. Robes and Dresses.
Calvayrac, Vve. L.—Paris. Model in Linen.
Caslot, Dru, Pillon & Co., "Au Bon Marché"
(Maison A. Boucicaut)—Paris. Dresses.
Chérult—Paris. Robes.
Docuillet—Paris. Robes.
Doucet—Paris. Robes.
Galeries Lafayette (Grands Magasins des)—
Paris. Dresses.
Hirsch, L.—Paris. Blouses and Dresses.
Jenny—Paris. Robes.
Jerome—Paris. Dresses and Mantles.
Klein, Mme.—Paris. Robes.
Kriegel—Paris. A Model Gown.
Lanvin, Jeanne—Paris. Robes.
Louvre (Grands Magasins du) — Paris.
Dresses.
Margaine-LaCroix, Mme. — Paris. Dolls
dressed in the latest fashion.
Martial, Armand & Co.—Paris. Robes.
Mathias, B., & Co.—Paris. Dresses for La-
dies and Children.
Paquin, Mme.—Paris. Robes.
Printemps (Grands Magasins du) (Laguionie
& Co.)—Paris. Dresses.
Promet—Paris. Robes.
Bondeau, Legrand & Co.—Paris. Dresses
and Mantles.
Ruffe—Paris. Blouses.
Worth—Paris. Robes.

GROUP 82

FURS AND SKINS, FUR CLOTHING;
LEATHER, BOOTS AND SHOES

Baudet, A., & Donon, R.—Paris. Single and
Re-covered Heels, etc.
Burckhardt—Paris. Gloves and Fancy Ma-
terial.
Chapuzot, Mme Vve. E.—Paris. Fancy and
High-Grade Ladies' Boots and Shoes.
Trade-Mark "L'UCIOLE."
Cordier, H., & Sons—A Fongeres (Ille-et-Vi-
laine). Boots and Shoes for Ladies, Men
and Children.
Dressoir, Premartin, Pulm & Co.—Paris.
High Grade Footwear.
Evvard, Georges—Paris. High Grade Gloves.
Fenestrier, J.—à Romans (Drome). High-
Grade Footwear.
Hellstern, C.—Paris. High Grade Footwear.
Koritzky, Leon—Lichy (Seine). Shoes
made of Bird Feathers.
Maurey, Paul, & Son—Paris. Footwear.
Perrin Gloves (V. Perrin & Co.)—Grenoble
(Isere). Kid Gloves.
Plé Bros.—Paris. High Grade Boots and
Shoes.
Roux, Paul—Romans (Drome). Men's Foot-
wear.
Trefousse & Co.—Chaumont (Hte-Marne).
Kid Gloves, Suede and Glacé.

GROUP 83

VARIOUS INDUSTRIES CONNECTED
WITH CLOTHING

Alphonse—Paris. Hats.
Bailey, E.—Paris. Ladies' Hatter.
Bailey, P., & Co. (Maison Ch. Guyot)—Paris.
Braces.
Barjon & Sons—Paris. Trimmings for Hats.
Barjon, P., & Sons—Paris. Underwear for
Ladies and Children.
Baron, Georges—Paris. Buttons.
Eas, Claudius, & Co.—Lyon. Shirts.
Bandy, H., & Son—Paris. Feather Novel-
ties.

Beaumont Bros.—Paris. Shirts.
Benolston, A., & Co.—Paris. Feathers.
Biron, Camille—Paris. Canes.
Boileau, Th.—Paris. Hosiery.
Bonbon, Louis—Troyes (Aube). Hosiery.
Bordeau, Edmond—Paris. Feathers for Milli-
nery.
Bourgeois, Sons of B.—Paris.
Bouton, Emile—Paris. Trimmings for Hats.
Brossard, Georges—Paris. Dyed Ostrich
Feathers.
Buisson, E.—Paris. Fans.
Caslot, Dru, Pillon & Co., "Au Bon Marche"
(Maison A. Boucicaut)—Paris. Lingerie.
Causse-Chenaud—Paris. Mourning Hats.
Cavert & Co.—Paris. Sunshades and Um-
brellas.
Chaumette, Maurice, Director-Proprietor of
the Dry Goods Store "Au Magasin Vert"—
Paris. Underclothing, etc.
Convard-Mercier, II—Paris. Feathers, Milli-
nery.
Cornuel, Emile—Paris. Hosiery.
Claverie, Etablissements A.—Paris. Corsets,
Belts and Combinations.
Debauge & Co.—Paris. Buttons, etc.
Decobert, Edouard—Paris. Canes.
Dehesdin & Sons—Paris. Linens.
Dellon & Caron—Paris. Silk and Felt Hat-
ters.
Delmotte—Paris. Materials and General Sup-
plies for Corsets.
Desfosse—Paris. Coiffures, Switches, etc.
Despreaux, Jun, the Sons of—Paris. Mate-
rials and General Supplies for Corsets.
Drouilly, Charles-Jean—Paris. Ladies' Hats.
Dusanchoy, Gaston—Paris. Ostrich and
Fancy Feathers.
Dussaungey, Francois—Paris. Feathers.
Duvelleroz, G., II—Paris. Fans.
Francois, Henri—Paris. Millinery.
Galeries Lafayette (Grands Magasins des)—
Paris. Lingerie.
Gallais, Maurice, "The Sport"—Paris. Cra-
vats, Collars, Shirts and Pajamas.
Gastineau, Fernand—Paris. Hosiery.
Georgette—Paris. Hats.
Gerard, Louis-Gustave, III—Paris. Feathers.
Gouley, V.—Paris. Trimmings.
Guillot, M.—Paris. Ladies' Hats.
Hayem & Co.—Paris. Underclothing.
Hervy, Maurice—Paris. Hosiery.
Hindlet, E.—Paris. Feathers.
Lafleche Sons & Co.—Paris. Elastic Goods.
Lalanne—Paris. Shirts.
Lang, Robert—Paris. Feathers.
Launay—Paris. Materials and General Sup-
plies for Corsets.
Lavanoux, Eugene—Artificial Flowers.
Lazarus-Meunier, Praeger & Confais—Paris.
Underclothing and Shirts.
Lellon, Lestrade & Dresse, I—Paris. Feath-
ers.
Lheureux, G.—Paris. Shirts, Underclothing
and Pajamas.
Liaud Bros. & Sons—Paris. Ladies' and
Children's Hats.
Louvre (Grands Magasins du)—Paris. Lin-
gerie.
Madeleine's Mode—Paris. Hats.
Magnenant—Paris. Uniform Headwear.
Maison Lewis—Paris. Hats.
Mantou & Co—Paris. Feathers.
Mayer, Charles, & Co.—Paris. Underclothing
for Women and Children.
Mermilliod, Eugene—Paris. High Class La-
dies' Hats.
Méré—Paris. Millinery.
Millet, Eugene (Anciens Etablissements Bour-
deau)—Shirts, Collars, Cuffs, etc.
Millon, Victor—Paris. Ostrich Feathers and
Aigrettes.
Mirtl, Mayer—Feathers and
Milline—

Morin, Emile—Paris. Elastic Goods, Corsets, etc.
 Moulbau, Payaut, Laurain & Co.—Paris. Belts, Elastic Goods, Braces, Garters, etc.
 Moulin, Leon—Sunshades.
 Niquet, Mesdames A.—Paris. Flowers and Feathers.
 Ondineau, G.—Paris. Underclothing for Women and Children.
 Parent, A., & Co.—Paris. Buttons. Mark, "A LA RUCHE."
 Pemjeau—Paris. Materials and General Supplies for Corsets.
 Pinaud, J., & Armour (Crespin & Papillon, successors)—Paris. High-Class Men's Hats.
 Pitais, H., & Lettre, J.—Paris. Trimmings.
 Pouyanne—Paris. Millinery.
 Printemps (Grands Magasins du) (Laguionie & Co.)—Lingerie.
 Rebouch, Marie—Paris. Millinery.
 Roger, Camille—Paris. Hats.

Rossi, Valentin—Lyon. Shirts and Underclothing.
 Rousseau, Etablissements A.—Paris. Shirts.
 Rouziere, J.—Paris. Flowers and Feathers.
 Salaman, J., & Co.—Paris. Ostrich Feathers.
 Schneegans & Balossier—Paris. Feathers.
 Schulmann, J. & L.—Paris. Underclothing, etc.
 Societe Generale de Bonneterie de Troyes—Paris. Underclothing, Hosiery, etc.
 Societe Maria Guy—Paris. Hats.
 Tabet & Co.—Paris. Milliners' Supplies, Hairpins, etc.
 Tirard Bros.—Nogent-le-Rotrou (Eure-et-Loire). Felt Hats, Kepis, Caps, etc.
 Trezel—Paris. Uniform Headwear.
 Veran, E.—Paris. Feathers and Millinery.
 Wyler & Co.—Lyon. Hosiery, Scarfs and Neckties.
 Yver-Barreiros (Maison Berthe Barreiros)—Paris. Corsets.

GREAT BRITAIN

Mfr. Pal., 1st St., Ave. C, 2nd St. & Ave. D.

GROUP 45

CUTLERY

Stock, F., & Co.—Erdington, Birmingham. Silver and Plated Cutlery.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Stock, F., & Co.—Erdington, Birmingham. Silver and Plated Goods.

GROUP 47

JEWELRY

Stock, F., & Co.—Erdington, Birmingham. Gold, Silver and Plated Jewelry. Precious and Semi-Precious Stones.

GROUP 48

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Adams, William, & Co.—Tunstall, Staffordshire. Jasper Ware, Dickens and Shakespeare Ware.

Ashby Potters Guild—Woodville, near Burton-on-Trent. Artistic Pottery, Vasco Ware.

Birks, Rawlins & Co.—The Vine Pottery, Stoke-on-Trent. Fine Porcelains.

Baker & Co., Ltd.—Fenton Potteries, Staffordshire. Decorated Earthenware.

Booths, Ltd.—Tunstall, Staffordshire. Art Tiles.

Ceramic Art Association—London. Highest Grade Art Pottery.

Fielding, S., & Co., Ltd.—Stoke-on-Trent. Decorated and Gilt Earthenware.

Goss, W. H.—Stoke-on-Trent. Heraldic China.

Gibson & Sons, Ltd.—Albany & Harvey Potteries, Burslem. Jet, Rockingham, Russet, Mosaic and Decorated Earthenware.

Moore, Bernard—Stoke-on-Trent. Flambe, Lustre, Crystalline Art Pottery.

Plant, E. H. & S. L.—Tuscan Works, Longton, Staffordshire. Art Porcelains.
 Wilkinson, A. J., & Co.—Royal Staffordshire Pottery, Burslem. Pottery.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

Barry, Ian—London. Household Furniture.

GROUP 60

HARDWARE AND WOODENWARE

Lips, Ltd.—London. Safes and Locks.

GROUP 61

CERAMICS

Adams, William, & Co.—Tunstall, Staffordshire. Jasper Ware, Dickens and Shakespeare Ware.

Ashby Potters Guild—Woodville, near Burton-on-Trent. Artistic Pottery, Vasco Ware.

Birks, Rawlins & Co.—The Vine Pottery, Stoke-on-Trent. Household and Fine China Wares. Fine Porcelains.

Baker & Co., Ltd.—Fenton Potteries, Staffordshire. Decorated Earthenware. Dinner, Breakfast and Toilet Services.

Booths, Ltd.—Tunstall, Staffordshire. Silicon China. Royal Semi-Porcelain and Art Tiles.

Ceramic Art Association—London. Highest Grade Art Pottery.

Fielding, S., & Co., Ltd.—Stoke-on-Trent. Decorated and Gilt Earthenware.

Goss, W. H.—Stoke-on-Trent. Heraldic China.

Gibson & Sons, Ltd.—Albany & Harvey Potteries, Burslem. Jet, Rockingham, Russet, Mosaic and Decorated Earthenware.

Moore, Bernard—Stoke-on-Trent. Flambe, Lustre, Crystalline Art Pottery.

Myott, Son & Co.—Alexander Pottery, Cobridge. High-Class Semi-Porcelain Dinner Ware.

Plant, E. H. & S. L.—Tuscan Works, Longton, Staffordshire. Art Porcelain and Plain Chinaware.

Wilkinson, A. J., & Co.—Royal Staffordshire Pottery, Burslem. Art Pottery.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC.; CORDAGE.

Brown, John S., & Sons, Ltd.—Belfast, Ireland. Table and other Linens.
 Fisherton-de-la-Mere Embroidery Class—Fisherton-de-la-Mere, Wyle-Wilts. Hand-spun Linens. Altar Linens.
 Livingston, William—Annesborough, Lurgan, Ireland. Hand-woven Linens, Damasks, etc. Sheer Linens and Handkerchiefs.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBERS

Stonehenge Woolen Industry—Lake near Salisbury. Hand-spun and Hand-woven Woolens.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Edgerton, Lady—London. Hand-made Embroideries and Laces.
 Fisherton-de-la-Mere Embroidery Class—Fisherton-de-la-Mere, Wyle-Wilts. Embroideries.
 Lace School—Tarbert, Lochfyne, Argyleshire, Scotland. Hand-made Laces.
 Lochfyne & Kintore—Tarbert Glenakil, Scotland. Laces.

Fd. Pr. Pal., Ave. A, bet. 4th & 5th Sts.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Comoy, H., & Co., Ltd.—London. Briar Pipes.

GUATEMALA

Location: Guatemalan Pavilion, near Inside Inn, back of Japanese Gardens

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Dubois, Julio—Guatemala, Guatemala. Special designs in wood.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Barillas, Lucas—Santa Cruz, Santa Rosa. Reed Baskets.
 Choc, Andres—Comalapa, Chimaltenango. Reed Baskets.
 Cruz, Casimiro—Aguacatan, Huehuetenango. Reed Baskets.
 Direccion de Industrias—Guatemala, Guatemala. Reed Baskets.
 Gutierrez, Carmen—San Diego, Progreso. Reed Baskets.
 Herrera, Crispin—Aguacatan, Huehuetenango. Reed Baskets.
 Luz, Lucia—Santa Tomas, San Marcos. Reed Baskets.
 Municipality of Alzate—Alzate, Jalapa. Flower Broom.
 Municipality of Ciudad Vieja—Vieja, Sacatepequez. Watch Holder and Reed Baskets.
 Municipality of Comalapa—Comalapa, Chimaltenango. Reed Baskets.
 Municipality of Cubulco—Cubulco, Baja Verapaz. Reed Baskets.
 Municipality of Escuintla—Escuintla, Escuintla. Palm Baskets.
 Municipality of Gomera—Gomeral, Escuintla. Palm Baskets.
 Municipality of Huehuetenango—Huehuetenango, Huehuetenango. Reed Baskets.
 Municipality of Jutiapa—Jutiapa, Jutiapa. Palm Broom and Palm Baskets.
 Municipality of Livingston—Livingston, Isabel. Hunting Baskets.
 Municipality of Poaquil—Poaquil, Chimaltenango. Reed Baskets.
 Municipality of San Joaquin—San Joaquin, San Marcos. Reed Baskets and Apron Baskets.

Municipality of San Lucas—San Lucas, Sacatepequez. Palm Baskets.

Municipality of Santa Clara—Santa Clara, Solola. Reed Baskets.

Sisino, Antonio—Palmar, Quezaltenango. Pajon Fibre Brush.

Teshay, Matias—Parramos, Chimaltenango. Reed Baskets.

GROUP 53

ARTICLES FOR TRAVELING AND FOR CAMPING, INDIA RUBBER AND GUTTA PERCHA INDUSTRIES

Acetituno, Eduardo—Tecuaco, Santa Rosa. Maguey Hammocks.
 De Paz, Manum—Antigua, Sacatepequez. Cotton Thread Bag.
 Direccion de Industrias—Guatemala, Guatemala. String Hammock, String Side Bags, and Reed Valises.
 Girls' School—San Martin, Chimaltenango. Cotton Thread Bag.
 Hernandez, Leoncio—San Lorenzo, Sacatepequez. String Side Bags.
 Jumez, Juan—Chaparron, Jalapa. Maguey Hammock.
 Lopez, Jose M.—Sacatepequez, Sacatepequez. Flax Side Bags.
 Lopez, Paulino—San Antonio, Sacatepequez. Maguey Side Bags.
 Municipality of Ciudad Vieja—Ciudad Vieja, Sacatepequez. Reed Trunks.
 Municipality of Livingston—Livingston, Isabel. Rayal Reed Trunks.
 Municipality of Morazan—Morazan, Progreso. Maguey Hammock.
 Municipality of Panajachel—Panajachel, Solola. Maguey Hammock.
 Municipality of Santa Cruz—Santa Cruz, Solola. Maguey Side Bags.
 Municipality of Yupe—Yupe, Jutiapa. Maguey Side Bags.

GROUP 55

FISHING EQUIPMENT AND PRODUCTS

Cano, Santos—Temaco, Progreso. Maguey Net.
 Davila, Francisco—Santa Cruz, Santa Rosa. Maguey Net.

Mancilla, Felipe — Mataquescuintla, Solola. Maguey Net.
Municipality of San Pedro—San Pedro, Solola. Maguey Net.
Municipality of Yupe—Yupe, Jutiapa. Maguey Nets.
Valenzuela, R. G.—Santa Cruz, Alta Verapaz. Maguey Net.

GROUP 60

HARDWARE AND WOODENWARE

Municipality of Livingston—Livingston, Isabel. One grater and one Sieve.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Chinchilla, M. — Santa Cruz, Santa Rosa. Palm Leaves Matting.
Chiquijay, J. M.—San Miguel Petapa, Amatitlan. Tulle Matting.
Concul, Gertrudis—San Miguel Petapa, Amatitlan. Tulle Matting.
Concul, Matias—San Miguel Petapa, Amatitlan. Tulle Matting.
Direccion de Industrias — Guatemala, Guatemala. Palm Leaves Matting, Tulle Matting, etc.
Experimental Gardens—Guatemala, Guatemala. Palm Leaves and Lupa Matting.
Fax, Domingo—Lanquin, Alta Verapaz. Palm Leaves Matting.
Flores, Mardoqueo—Santa Cruz, Santa Rosa. Palm Leaves Matting.
Herrarte, Laureano—Santa Cruz, Santa Rosa. Palm Leaves Matting.
Jeronimo, Agapito—Cubulco, Baja Verapaz. Palm Leaves Matting.
Municipality of Alzatateo—Alzatateo, Jalapa. Tulle Matting.
Municipality of Jocotan—Jocotan, Chiquimula. Tulle Matting.
Municipality of Nahuala—Nahuala, Solola. Tulle Matting.
Municipality of Quetzaltepequez—Chiquimula. Tulle Matting.
Municipality of San Francisco el Alta—San Francisco el Alta, Totonicapan. Spanish Grass Matting.
Municipality of San Luis—San Luis, Peten. Puiuelo Matting.
Municipality of San Miguel Petapa — San Miguel Petapa, Amatitlan. Tulle Matting.
Municipality of San Pablo—San Pablo, San Marcos. Palm Leaves Matting.
Municipality of Santa Cruz—Santa Cruz, San Marcos. Palm Leaves Matting.
Municipality of Solola—Solola, Solola. Palm Leaves Matting.
Ordonez, Maria — Santiago, Sacatepequez. Tulle Matting.
Ortega, Francisco—Samsare, Progreso. Tulle and Palm Leaves Matting.
Ovando, Francisco—San Luis, Sacatepequez. Palm Leaves Matting.
Rafael, Floquinto—Cubulco, Baja Verapaz. Palm Leaves Matting.

GROUP 69

APPARATUS AND PROCESSES FOR HEATING AND VENTILATION

Corazo, Leopoldo—San Luis, Peten. Blowers.
Direccion de Industrias—Guatemala, Guatemala. Blowers.
Municipality of Guatemala—Guatemala, Guatemala. Tulle Blowers.

GROUP 76

THREADS AND FABRICS OF COTTON

Ajanel, Lucas — Momostenango, Totonicapan. Cotton Thread Sheets.
Alvarado, Mario — San Cristobal, Totonicapan. Cotton Sheets.
Angel, Pablo — Momostenango, Totonicapan. Cotton Handkerchiefs.
Argusta, Simon—Momostenango, Totonicapan. Cotton Handkerchiefs.
Armira, Francisco — San Martin, Chimaltenango. Cotton Thread Napkins.
Barrios, Ricardo—Ayutla, San Marcos. Brown Cotton Goods.
Boch, Francisco—Patulul, Solola. Cotton Thread Handkerchiefs.
Cacachaj, Marcela—Comolapa, Chimaltenango. Cotton Thread Band.
Calan, Pedro—San Martin, Chimaltenango. Cotton Thread Band.
Cantel—Quetzaltenango, Quetzaltenango. Cotton Goods.
Caxcay, Paula—San Martin, Chimaltenango. Cotton Thread Towels.
Chac, Tecla—Lanquin, Alta Verapaz. Cotton Thread Band.
Chavez, Dominga—Santa Maria, Sacatepequez. Cotton Thread Band.
Chavez, Evarista—Patulul, Solola. Cotton Thread Handkerchiefs.
Chavez, Isabel—Santa Lucia Utatlan, Solola. Thread Shawl.
Chec, Julia—Purulcha, Baja Verapaz. Cotton Thread Towel.
Chilaj, Gaspar—Momostenango, Totonicapan. Cotton Dress Goods.
Chun, Pedro — Momostenango, Totonicapan. Cotton Handkerchiefs.
Coal, Petronilla—Santa Cruz, Santa Rosa. Cotton Thread Towels.
Coy, Valerio—Xenacan, Sacatepequez. Cotton Goods.
Cue, Maria—Santa Cruz, Santa Rosa. Cotton Towels.
Departamento de Alta Verapaz—Cotton Goods.
Departamento de Chimaltenango—Cotton Goods.
Departamento de Sacatepequez—Cotton Goods.
Departamento de Santa Rosa—Cotton Goods.
Departamento de Suchitepequez—Cotton Goods.
Departamento de Totonicapan—Cotton Goods.
Direccion de Industrias—Guatemala, Guatemala. Cotton Goods.
Excaya, Viviana — Atitlan, Solola. Cotton Thread Band.
Gabriel, S.—San Lorenzo, Suchitepequez. Cotton Napkins.
Garcia, Antonia — Totonicapan, Totonicapan. Cotton Thread Sheets.
Garcia, Maria—Samayac, Suchitepequez. Cotton Napkins.
Girls' School—Milpas Altas, Sacatepequez. Cotton Thread Band.
Girls' School—Puaquil, Chimaltenango. Cotton Thread Band.
Girls' School — San Martin, Chimaltenango. Cotton Goods.
Godinez, Bonifacio—Guazacapan, Santa Rosa. Cotton Thread Band.
Godinez, Lorenzo—Quetzaltenango, Quetzaltenango. Cotton Thread Band.
Gonzales, Rufugio — Antigua, Sacatepequez. Cotton Thread Band.
Hernandez, J. Leon—Palo Gordo, San Marcos. Cotton Bed Cover.
Holz, Manuel—Tecpan, Chimaltenango. Cotton Thread Marl.
Id, Candida—San Martin, Chimaltenango. Cotton Band.
Id, Jesus—San Antonio, Sacatepequez. Cotton Dress Goods.
Id, Ricardo—San Antonio, Sacatepequez. Cotton Thread Band.

- Ixcay, Hilaria**—San Antonio Polepo, Solola. Cotton Handkerchiefs.
- Isac, Juan**—Momostenango, Totonicapan. Cotton Handkerchiefs.
- Isac, Simond**—Momostenango, Totonicapan. Cotton Handkerchiefs.
- Jimenez, Sebastian**—Alzarat, Jalapa. Cotton Band.
- Jut, Concepcion**—Chameleo, Alta Verapaz. Cotton Napkins.
- Lan, Julio**—Coban, Alta Verapaz. Cotton Goods.
- Lemus, Fabiana**—Santa Cruz, Santa Rosa. Cotton Goods.
- Lemus, Felipa**—Santa Cruz, Santa Rosa. Cotton Band.
- Lopez, Aquilina**—El Rodeo, San Marcos. Cotton Towel.
- Lopez, Felipe**—San Antonio, Sacatepequez. Cotton Napkin.
- Lopez, Juan**—Momostenango, Totonicapan. Cotton Thread Sheet.
- Lopez, Laureano**—La Reforma, San Marcos. Cotton Dress Goods.
- Lopez, Rosario**—San Antonio, Sacatepequez. Cotton Band.
- Maldonado, Rufujio**—San Cristobal, Totonicapan. Cotton Dress Goods.
- Mata, J. H.**—Chimaltenango, Chimaltenango. Cotton Marl.
- Mendes, Maria**—Jacaltenango, Huehuetenango. Cotton Napkin.
- Monroy, Silvestre**—San Lucas, Sacatepequez. Cotton Band.
- Morales, Ciriaco**—Samayac, Suchitepequez. Cotton Thread Band.
- Morales, Hermanos**—Antigua, Sacatepequez. Cotton Goods.
- Muca, Dionicio**—San Lucas, Sacatepequez. Cotton Napkins.
- Municipality of Alatenango**—Alatenango, Sacatepequez. Cotton Goods.
- Municipality of Alzarat**—Alzarat, Jalapa. Cotton Thread Band.
- Municipality of Amatitlan**—Amatitlan. Cotton Goods.
- Municipality of Antigua**—Antigua, Sacatepequez. Cotton Bands.
- Municipality of Atitlan**—Atitlan, Solola. Cotton Thread Band.
- Municipality of Chiquimula**—Chiquimula, Totonicapan. Cotton Goods.
- Municipality of Ciudad**—Ciudad Vieja, Sacatepequez. Cotton Thread Napkins.
- Municipality of Coban**—Coban, Alta Verapaz. Cotton Goods.
- Municipality of Comolapa**—Comolapa, Chimaltenango. Cotton Band.
- Municipality of Jacaltenango**—Jacaltenango, Huehuetenango. Cotton Napkins, etc.
- Municipality of Jalapa**—Jalapa. Cotton Thread Band.
- Municipality of Lanquin**—Lanquin, Alta Verapaz. Cotton Goods.
- Municipality of Momostenango**—Momostenango, Totonicapan. Cotton Handkerchiefs.
- Municipality of Nahuala**—Nahuala, Solola. Cotton Thread Band.
- Municipality of Panapachel**—Panapachel, Solola. Cotton Handkerchiefs.
- Municipality of Patulul**—Patulul, Solola. Cotton Thread Handkerchiefs.
- Municipality of Piedra Grande**—Piedra Grande, San Marcos. Cotton Ticking.
- Municipality of San Andres**—San Andres, Solola. Cotton Goods.
- Municipality of San Antonio**—San Antonio, Solola. Cotton Goods.
- Municipality of San Antonio Palopo**—San Antonio Palopo, Solola. Cotton Band.
- Municipality of San Bernardo**—San Bernardo, Suchitepequez. Cotton Goods.
- Municipality of San Jose Chacaya**—San Jose Chacaya, Solola. Cotton Thread Handkerchiefs, etc.
- Municipality of San Juan Atitlan**—San Juan Atitlan, Solola. Cotton Thread Band.
- Municipality of San Juan B.**—San Juan B., Solola. Cotton Thread Band.
- Municipality of San Lucas**—San Lucas, Sacatepequez. Cotton Goods.
- Municipality of San Martin**—San Martin, Chimaltenango. Cotton Dress Goods.
- Municipality of Santa Catarina**—Santa Catarina, Solola. Cotton Thread Handkerchiefs.
- Municipality of Santa Cruz**—Santa Cruz, Alta Verapaz. Cotton Goods.
- Municipality of Santa Cruz**—Santa Cruz, Santa Rosa. Cotton Towels.
- Municipality of Santa Cruz**—Santa Cruz, Solola. Cotton Goods.
- Municipality of Tacana**—Tacana, San Marcos. Thread Girdle Belt. Cotton Dress Goods, etc.
- Municipality of Tecpan**—Tecpan, Chimaltenango. Cotton Goods.
- Municipality of Tumbador**—Tumbador, San Marcos. Thread Handkerchiefs.
- Municipality of Xenacap**—Xenacap, Sacatepequez. Cotton Napkins.
- Noyola, Hipolito**—San Cristobal, Totonicapan. Cotton Apron.
- Noyola, Luz**—San Cristobal, Totonicapan. Cotton Napkins.
- Ojat, Franco**—Alatenango, Sacatepequez. Cotton Girdle Belt.
- Pan, Antonio**—San Bernardo, Suchitepequez. Cotton Thread Band.
- Patzan, Candelaria**—San Martin, Chimaltenango. Cotton Thread Napkins.
- Paz, Francisco**—Patulul, Solola. Cotton Thread Band.
- Paz, Gayetan**—San Cristobal, Totonicapan. Cotton Thread Band.
- Perez, Antonio**—Samaya, Suchitepequez. Cotton Dress Goods.
- Pineda, Marcos**—Antigua, Sacatepequez. Cotton Thread Napkins.
- Pratz, Juan**—San Andres, Totonicapan. Cotton Thread Napkins.
- Quiche, Rosa**—Saymayac, Suchitepequez. Cotton Thread Shawl.
- Unquara, Mariana**—Soche, San Marcos. Cotton Thread Bed Cover.
- Ramos, Juana**—Antigua, Sacatepequez. Cotton Thread Band.
- Ramos, Santiago**—Momostenango, Totonicapan. Cotton Thread Sheet.
- R Arigue, M.**—San Lucas, Sacatepequez. Cotton Handkerchiefs.
- Ruel, Maria**—Ciudad Vieja, Sacatepequez. Cotton Band.
- Riz, Micaela**—Jacaltenango, Huehuetenango. Cotton Napkins.
- Sacbe, Aquilino**—Santa Catarina, Alta Verapaz. Cotton Napkins.
- Santiesteban, Abraham**—Totonicapan, Totonicapan. Cotton Thread Shawl, etc.
- Santiesteban, Abraham**—San Cristobal, Totonicapan. Cotton Aprons.
- S'cay, Francisco**—Atitlan, Solola. Cotton Thread Band.
- Tav, Luciano**—San Martin, Chimaltenango. Cotton Bands.
- Tec, Francisco**—Lanquin, Alta Verapaz. Cotton Thread Band.
- Temax, Luisa**—Totonicapan, Totonicapan. Cotton Thread Shawl.
- Valazquez, Micaela**—Totonicapan, Totonicapan. Cotton Thread Band.
- Valle, J.**—San Lucas, Sacatepequez. Cotton Band.
- Valan, Victoria**—San Martin, Chimaltenango. Cotton Towels.
- Valazquez, Manuela**—Antigua, Sacatepequez. Cotton Thread Band.

Xicay, Jose—San Cristobal, Totonicapan. Cotton Dress Goods.
Xocapal, Mario—Xenacap, Sacatepequez. Cotton Napkins.
Zamora, Eugenia—San Pedro, Sacatepequez. Cotton Thread Towels.
Zepeda, Jose—Totonicapan, Totonicapan. Cotton Band.
Zil, Mario—Santa Maria, Sacatepequez. Cotton Napkins.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC.: CORDAGE

Aba, Esteban—Acatenango, Chimaltenango. Maguey Rope.
Campos, J. M.—San Lucas, Sacatepequez. Maguey Rope.
Chinchilla, Nazario—San Rafael, Santa Rosa. Maguey Rope.
Cruz, Juan—Ciudad Vieja, San Marcos. Maguey Rope.
Escuela De Varones—San Lorenzo, Sacatepequez. Maguey Rope.
Experimental Gardens—Guatemala, Guatemala. Maguey Rope, Escobillo Fibre and Bache Fibre Rope.
Fox, Domingo—Lanquin, Alta Verapaz. Maguey Cable.
Franco, Gabriel—Santa Cruz, Santa Rosa.
Garcia, Eduardo—Santo Tomas, Sacatepequez. Maguey Rope.
Gomez, Marcelo—Tecuaco, Santa Rosa. Maguey Rope.
Jimenez, Patricio—San Lucas, Sacatepequez. Maguey Rope.
Lopez, Ricardo—San Joaquin, San Marcos. Maguey Rope.
Municipality of Comapa—Comapa, Jutiapa. Maguey Rope.
Municipality of Palo Gordo—Palo Gordo, San Marcos. Maguey Rope.
Municipality of Reforma—Reforma, San Marcos. Maguey Rope.
Municipality of San Joaquin—San Joaquin, San Marcos. Maguey Rope.
Municipality of San Jose—San Jose, Potosi. Escobillo Fibre Rope.
Municipality of Santa Cruz—Santa Cruz, Alta Verapaz. Maguey Line.
Municipality of Santa Maria—Santa Maria, Sacatepequez. Maguey Rope.
Municipality of Tumbador—Tumbador, San Marcos. Maguey Rope.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBRES

Ajanel, Gregorio—Momostenango, Totonicapan. Woolen Blanket.
Ajanel, Pablo—Momostenango, Totonicapan. Woolen Robe.
Cano, Felipe—Huehuetenango, Huehuetenango. Woolen Robe.
Carrillo, Gregorio—Yecapaca, Chimaltenango. Woolen Robe.
Cifuentes, Teodoro—Momostenango, Totonicapan. Woolen Robe.
Departamento de Chimaltenango—Woolen Articles.
Departamento de Guatemala—Woolen Articles.
Departamento de Huehuetenango—Woolen Articles.
Departamento de Quetzaltenango—Woolen Articles.
Departamento de Totonicapan—Woolen Articles.
Departamento de San Marcos—Woolen Articles.
Eng, Valentin—Momostenango, Totonicapan.

Engel—San Miguel Acatan, Huehuetenango. Woolen Robe.

Juarez, Policarpo—San Cristobal, Totonicapan. Woolen Robe.

Municipality of Chiquimula—Chiquimula, Totonicapan. Woolen Tape, etc.

Municipality of Concepcion—Concepcion, San Marcos. Woolen Band, and White Dress Material.

Municipality of Momostenango—Momostenango, Totonicapan. Woolen Tape.

Municipality of Nahuala—Nahuala, Solola. Woolen Robe.

Municipality of Livingston—Livingston, Izabel. Textiles.

Municipality of Quetzaltenango—Quetzaltenango, Quetzaltenango. Woolen Shawls.

Municipality of San Francisco el Alto—San Francisco el Alto, Totonicapan. Woolen Robes.

Municipality of San Jose—San Jose, San Marcos. Woolen Dress Material, Robes, Down Finish and Woolen Robe.

Municipality of Santa Lucia—Santa Lucia, Totonicapan. Woolen Robe and Apron.

Municipality of Tejutla—Thejutla, San Marcos. Woolen Robe.

Municipality of Yecapaca—Yecapaca, Chimaltenango. White Dress Goods, Robes and Robe Material.

Pastor, Cristiano—Aguacatan, Huehuetenango. White Dress Goods.

Perez, Jeronimo—Yecapaca, Chimaltenango. Woolen Robe.

Perez, Pedro—Jacaltenango, Huehuetenango. Woolen Dress Goods.

Zamaya, J. Eul—Guatemala, Guatemala. Knitted Goods.

GROUP 79

SILK AND FABRICS OF SILK

Departamento de Alta Verapaz—Silk Materials.

Departamento de Chimaltenango—Silk Materials.

Departamento de Sacatepequez—Silk Materials.

Departamento de Santa Rosa—Silk Materials.

Departamento de Suchitepequez—Silk Materials.

Departamento de Totonicapan—Silk Materials.

Girls' School—Milpas Altas, Sacatepequez. Silk Bands.

Girls' School—San Martin, Chimaltenango. Silk Napkins.

Godinez, Lorenzo—Quetzaltenango, Quetzaltenango. Silk Bands.

Lopez, Laureano—La Reforma, San Marcos. Silk Dress Goods.

Municipality of Amittitlan—Amittitlan, Amittitlan. Silk Towels.

Municipality of Nahuala—Nahuala, Solola. Silk Bands.

Municipality of San Martin—San Martin, Chimaltenango. Silk Dress Goods, etc.

Municipality of Santa Cruz—Santa Cruz, Solola. Silk Bands.

Pineda, Marcos—Antigua, Sacatepequez. Silk Napkins.

Ruiz, Micaela—Jacaltenango, Huehuetenango. Silk Bands.

Sanisteban, Abraham—San Cristobal, Totonicapan. Silk Aprons.

Tay, Luciano—San Martin, Chimaltenango. Silk Dress Goods.

Xocapal, Mario—Xenacap, Sacatepequez. Silk Napkins.

Zamora, Eugenia—San Pedro, Sacatepequez. Silk Towels.

Zepeda, Jose—Totonicapan, Totonicapan. Silk Bands.

GROUP 80

LACES, EMBROIDERIES AND TRIMMINGS

Direccion de Industria—Guatemala, Guatemala. Indian Embroidery on Silk.

Consorzio Fabbrianti Italiani—Milan. Tapestry.
Cutler, Marshal—Florence. Artistic Furniture.
Riboni, Giuseppe—Milan. Furniture.
Spicciati, Franco—Pescia. Modern Furniture.

GROUP 64

CARPETS, FABRICS AND TAPESTRIES
FOR UPHOLSTERY

Consorzio Fabbrianti Italiani—Milan. Tapestry.

GROUP 65

UPHOLSTERERS' DECORATIONS

Bresciana di Terrando, Manifattura—Redana. Counterpanes.
Cerretti & Grignaschi—Intra. Tapestry.
Consorzio Fabbrianti Italiani—Milan. Tapestries and Curtains.
Moscardi, G.—Florence. Gilt Frames.
Oetiker & Co.—Bergamo. Counterpanes.
Parravicini & C.—Como. Silk Flags.
Redaelli, Giuseppe—Monza. Fancy Fabrics and Counterpanes.

GROUP 66

CERAMICS

Bernasconi, Carlo, fu Paolo & C.—Como. Marble Tiles.
Bianchini & C.—Florence. Pottery.
Cantagalli, Figli di Giuseppe—Florence. Pottery.
Denna, Michele, & C.—Busto Arsizio. Marble Tiles.
Dini & Cellai—Florence. Artistic Terra Cotta.

GROUP 76

THREADS AND FABRICS OF COTTON

Brambilla, E., & Fratelli—Monza. Cotton Thread.
Bresciana di Terrando, Manifattura—Redana. Counterpanes.
Consorzio Fabbrianti Italiani—Milan. Cotton Fabrics.
Cusini, Tommaso—Milan. Cotton Fabrics.
Guagnellini & Adamoli—Milan. Cotton Fabrics.
Lazzero, Fratelli, fu Felice—Chieri. Fancy Fabrics and Counterpanes.
Maino & C.—Fratelli, Gallarate. Cotton Fabrics.
Marcionni, Pietro—Milan. Cotton Fabrics.
Molino & Vergnano—Chieri. Fancy Fabrics and Counterpanes.
Oetiker & Co.—Bergamo. Counterpanes.
Ostino e Bertagna—Chieri. Fancy Fabrics and Counterpanes.
Redaelli, Giuseppe—Monza. Fancy Fabrics and Counterpanes.
Bonco, Giovanni—Chieri. Fancy Fabrics and Counterpanes.
Tabasso, Felice—Chieri. Fancy Fabrics and Counterpanes.
Tronconi, Enrico—Lazana. Counterpanes and Bandages.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP,
ETC.; CORDAGE

Consorzio Fabbrianti Italiani—Milan. Linen
Cusini, Tommaso—Milan. Linen.
Guagnellini & Adamoli—Milan. Linen.
Marcionni, Pietro—Milan. Linen.
Rivolta e Carmignani—Milan. Linen.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBERS

Bresciana di Terrando, Manifattura—Redana. Counterpanes.
Consorzio Fabbrianti Italiani—Milan. Fabrics and Shawls.
Hirsch & C.—Ferrara. Woolen Fabrics.
Lazzero, Fratelli, fu Felice—Chieri. Fancy Fabrics and Counterpanes.
Manifattura Lane in Borgosesia—Milan. Woolen Fabrics.
Molino & Vergnano—Chieri. Fancy Fabrics and Counterpanes.
Oetiker & Co.—Bergamo. Counterpanes.
Ostino e Bertagna—Chieri. Fancy Fabrics and Counterpanes.
Bonco, Giovanni—Chieri. Fancy Fabrics and Counterpanes.
Tabasso, Felice—Chieri. Fancy Fabrics and Counterpanes.

GROUP 79

SILK AND FABRICS OF SILK

Allamel, Tintoria Fratelli—Cernobbio. Silk Fabrics.
Bertarelli, Fratelli—Como. Silk Fabrics.
Bevilacqua, Pironi & Co.—Paderno. Shawls.
Graghenti & C.—Como. Silk Fabrics.
Casati, Carlo di B.—Como. Silk Fabrics.
Cattaneo, Giuseppe—Como. Silk Fabrics.
Consorzio Fabbrianti Italiani—Milan. Silk and Velvet Fabrics, Shawls, Ribbons, Etc.
Giamminola, B.—Como. Silk Fabrics.
Lonati, A., & Co.—Como. Silk Fabrics.
Montefameglio, Paolo, & C.—Torino. Velvet and Silk Ribbon.
Montefameglio, Paolo, & C.—Torino. Velvet and Silk Ribbon.
Paroli & C. L.—Milan. Silk Fabrics.
Paroli & C. L.—Milan. Silk Fabrics.
Parravicini & C.—Como. Silk Flags and Silk Fabrics.
Parravicini & C.—Como. Silk Flags and Silk Fabrics.
Pozzi, Baragiola—Como. Silk Fabrics.
Ravasi & C.—Como. Silk Fabrics.
Redaelli, Alfredo—Rancio. Silk Velvet.
Riscalchini, Riccardo—Como. Silk Fabrics.
Rosasco, Enrico—Como. Silk Fabrics.
Stucchi, Edoardo—Como. Silk Fabrics.
Taroni, Luigi—Como. Silk Fabrics.
Tessitura serica Trevigliese—Treviglio. Silk Handkerchiefs and Scarfs.
Unione Fabbriche Nastri—Monza. Silk Ribbon.
Unione Industria Serica—Como. Silk Fabrics.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Gattadori, Pietro—Venice. Lace and Embroidery.
Consorzio Fabbrianti Italiani—Milan. Laces and Embroidery.
Florence Lace Manufactory, The—Florence. Lace and Embroidery.
Industrie Merletti—Cantu. Lace.
Monti, Angelo—Milan.
Navone, Francesco—Florence.
Polito, Giuseppe—Milan. Passementerie.

GROUP 82

FURS AND SKINS, FUR CLOTHING;
LEATHER, BOOTS AND SHOES

Consorzio Fabbrianti Italiani—Milan. Gloves.
Merola, Fratelli—Naples. Gloves.
Moschini, Succ. O., & C.—Pescia. Leather.
Nisini, E.—Florence.
Sanges, Lorenz

GROUP 83

VARIOUS INDUSTRIES CONNECTED
WITH CLOTHING

Apostolo, A., & C.—Milan. Silk Neckties.
 Ballerini, Fratelli—Florence. Hats.
 Borsalino, G. B., fu Lazzaro & C.—Alessan-
 dria. Felt Hats.
 Bodo, Fratelli—Torino. Cotton Undercloth-
 ing.
 Cambiaghi, Giuseppe—Monza. Felt Hats.
 Cappellificio Co-operative — Sagliano Micca.
 Felt Hats.
 Cappellificio Pavese—Pavia. Felt Hats.
 Caronni & Mariani—Monza. Linings.
 Consorzio Fabbricanti Italiani—Milan. Under-
 clothing, Hats, Canes, Umbrellas, Etc.
 Davella & C.—Andorno. Felt Hats.
 Fasana, Ippolita, Galgano—Florence. Arti-
 ficial Flowers and Fruits.
 Francesconi, Armando—Ghivizzano.
 Melan, Giuseppe—Milan. Straw Hats.
 Merz, Erminio—Milan. Shirts, Cuffs, Etc.
 Ottolina, Enrico—Milan. Hats and Caps.
 Oriandi & C.—Monza. Felt Hats.
 Papini, E., & C.—Florence. Hats and Flow-
 ers.
 Ratti, Cesare—Monza. Linings.
 Bavarini & Castoldi—Milan. Walking Sticks.
 Rosenthal, Fleischer & C.—Milan. Corsets.
 Rossi, Paolo—Intra. Felt Hats.
 Valera, G. B., e Ricci — Monza. Felt and
 Wool Hats.

Location: Italian Pav., Av. of Nations, near
 Fine Arts Palace

GROUP 46

SILVERSMITHS' AND GOLDSMITHS'
WARE

Melillo & Co.—Naples. Table Silverware.

GROUP 47

JEWELRY

Melillo & Co.—Naples. Jewelry.
 School of Torre Del Greco for Carving Coral
 —Torre del Greco. Coral.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR
ORNAMENTAL DESIGN THAN FOR
THEIR UTILITY

Cantagalli, Figli di Giuseppe—Florence. Pot-
 tery.
 Dini & Cellai—Florence. Artistic Terra Cotta.
 Granchi, Giovanni—Florence. Carved Wood.
 Tacchi, Eugenio—Florence. Carved Wood.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MAR-
BLE, BRONZE, CAST IRON AND
WROUGHT IRON

Chiurazzi, J., & Fils—Naples. Bronze and
 Marble Reproductions.
 De Angelis & Fils—Naples. Statuary.
 Frilli, A.—Florence. Statuary.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES,
FANCY ARTICLES AND BASKET
WORK

Frilli, A.—Florence. Small Bronzes.

GROUP 57

PERMANENT DECORATION AND FIXED
FURNITURE FOR BUILDINGS AND
DWELLINGS

Frilli De Lamorte, Alfonso — Florence.
 Wrought Iron.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE
AND UTILITIES

Baracchi & Fils, A.—Florence. Furniture.
 Berardi, Giovanni—Florence. Furniture.
 Cutler, Marshall—Florence. Furniture.
 Granchi & Fils—Florence. Furniture.
 Monti & Co., Arch. E.—Milan. Furniture.

GROUP 65

UPHOLSTERERS' DECORATIONS

Baracchi, Alfredo—Florence. Carved Frames.

GROUP 66

CERAMICS

Cantagalli, Figli di G.—Florence. Faience.
 Cuastalla, Michele di—Rome. Artistic Terra
 Cotta.
 Dini & Cellai—Florence. Faience.
 Pezza, Stefania—Florence. Faience.
 Tacchi, Eugenio—Florence. Faience.

GROUP 70

SILK AND FABRICS OF SILK

School of Brocades and Velvets of Madam
 Gallenga—Rome. Brocades.

GROUP 80

LACE, EMBROIDERY AND TRIMMINGS

Cattadori, Pietro—Venice. Lace and Em-
 broidery.
 Manufactory Florentine—Florence. Lace.
 Gallenga—Rome. Lace.
 School for Brocades and Velvets of Madam
 School of Burano—Burano. Lace.

- Nakamura, Sosuke—Tokyo-Fu. Ivory Works.
- Nakata, Iwamatsu—Shiga-Ken. Minakuchi Works.
- Nakayama, Chojihei—Niigata-Ken. Lacquered Wares.
- Nakaye, Heiyemon—Ishikawa-Ken. Lacquered Wares.
- Narita, Kyusuke—Aichi-Ken. Lacquered Wares and "Ikkanbani."
- Niigatashi Shikki Dogyo Kumiai—Niigata-Ken. Lacquered Wares.
- Nakai, Innomura—Shizuoka-Ken. Bamboo Wares.
- Nikko Bussan Shokai—Tochigi-Ken. Lacquered Wares.
- Ninomiya, Kiso—Ishikawa-Ken. Lacquered Wares.
- Nishibori, Yaichi—Gifu-Ken. Willow Works.
- Nishida, Bunichi—Osaka-Fu. Celluloid Works.
- Nishida, Shobei—Nara-Ken. Wooden Wares.
- Nishimura, Hikobei—Kyoto-Fu. Lacquered Ware.
- Nishiyama, Kichizo—Kagawa-Ken. Bamboo Wares.
- Nishizawa, Seibei—Miye-Ken. Pouches and Boxes.
- Oda, Shotaro—Shizuoka-Ken. "Shida" Works.
- Ogaki, Masanori—Ishikawa-Ken. Lacquered Works.
- Oitakenritsu Beppu Kogyo Totei Gakko—Oita-Ken. Bamboo Wares.
- Okamura, Yosakichi—Kyoto-Fu. Lacquered Ware.
- Omura, Goro—Shizuoka-Ken. Bamboo Wares.
- Onishi, Yoshizo—Osaka-Fu. (Hutsudan).
- Ota Keitei Shokai—Ishikawa-Ken. Lacquered Wares.
- Ota, Masakichi—Ishikawa-Ken. Lacquered Wares.
- Otani, Shosa Buro—Osaka-Fu. Lacquered Wares.
- Otomune, Genjiro—Osaka-Fu. Brushes.
- Otaubo Shokai—Toyama-Ken. Lacquered Wares.
- Saiki, Tamotsu—Ehime-Ken. Bamboo Wares.
- Sai, Sei Sha—Formosa. Wistaria Vine Works.
- Sakabe Shokai—Osaka-Fu. Brushes.
- Sakamoto, Sakaye—Kagawa-Ken. Lacquered Wares.
- Sakuda, Sakuzo—Hyogo-Ken. Bamboo Wares.
- Sakuhana Koji Kobe Shucchojo—Hyogo-Ken. Willow Works.
- Sato, Kichiyemon—Shizuoka-Ken. Bamboo Wares.
- Sawada, Jisaku—Ishikawa-Ken. Lacquered Wares.
- Seibido Gomeikaisha—Yamanashi-Ken. Pouches.
- Seishin Goshikaisha—Shiga-Ken. Wistaria Vine Works.
- Sendai Umegrei Kogyo Kumiai—Miyagi-Ken. Wooden Wares.
- Shigeno, Nagayoshi—Kagawa-Ken. Bamboo Wares.
- Shimamura, Minoru—Miye-Ken. Bamboo Wares.
- Shimura, Michinobu—Tokyo-Fu. Ivory Works.
- Shinano, Yonezo—Osaka-Fu. Brushes.
- Shinkawa, Otokichi—Kagawa-Ken. Lacquered Wares.
- Shino, Hatusaburo—Tochigi-Ken. Lacquered Wares.
- Shinoda, Kisaburo—Osaka-Fu. Wooden Wares.
- Shisubata, Gentaro—Formosa. Bamboo Wares.
- Shisubata, Gentaro—Formosa. Wistaria Vine Works.
- Suga, Kokutaro—Oita-Ken. Bamboo Wares.
- Sugisho, Tokujiro—Kagawa-Ken. Lacquered Wares.
- Sugiye, Shimbei—Osaka-Fu. Pouches.
- Suzaki, Tatsusaburo—Osaka-Fu. Wooden Wares.
- Suzuki, Tokubei—Osaka-Fu. Celluloid Works.
- Tachibana, Mokuguan—Kagawa-Ken. Lacquered Wares.
- Takagi, Niyeon—Aichi-Ken. Lacquered Wares.
- Takahashi, Okitaro—Tokyo-Fu. Lacquered Ware.
- Takahashi, Tadaji—Ehime-Ken. Bamboo Wares.
- Takase, Kiseiyemon—Fukushima-Ken. Lacquered Wares.
- Takenuchi, Takizo—Hyogo-Ken. Straw Braid Works.
- Takusai Hayami—Osaka-Fu. Tortoise Shell and Celluloid.
- Tanaka Gomeikaisha—Osaka-Fu. Lacquered Ware.
- Tanaka, Shokichi—Kanagawa-Ken. Wooden Wares.
- Tani, Kokichi—Osaka-Fu. Brushes.
- Tanimoto, Satematsu—Miye-Ken. Toothpicks.
- Tazawa, Nakajiro—Kanagawa-Ken. Vine, Bamboo and Willow Works.
- Tetsuzo Mizutani—Kanagawa-Ken. Ivory Works and Pin Cushion.
- Tokunaga, Yasunosuke—Tokyo-Fu. Brushes.
- Tokuoka, Sakubei—Osaka-Fu. Pouches.
- Tonimori, Masajiro—Miye-Ken. Toothpicks.
- Toyama Shoten—Tokyo-Fu. Ivory Works.
- Toyama Shi Sashimongyo Kumiai—Toyama-Ken. Wooden Wares.
- Tsujimura, Ujuro—Miye-Ken. Toothpicks.
- Tsuruta, Wasaburo—Ishikawa-Ken. Lacquered Wares.
- Tsuyu Sho Kai—Shizuoka-Ken. Lacquered Wares.
- Tsuzura, Kuhei—Osaka-Fu. Willow and Bamboo Wares.
- Unnon, Zenjiro—Shizuoka-Ken. Vine and Shida Works.
- Uyehara, Tomohichi—Yamanashi-Ken. Pouches.
- Uyehara, Yuhichi—Yamanashi-Ken. Pouches.
- Uyeno, Shigoru—Tochigi-Ken. Lacquered Wares.
- Wada, Seihei—Toyama-Ken. Lacquered Wares.
- Watanabe Bijutsu Shoten—Kanagawa-Ken. Ivory Works.
- Watanabe, Minoru—Nagano-Ken. Vine Works.
- Yabushita, Mansaburo—Shiga-Ken. Minakuchi Works.
- Yamada, Umekichi—Tokyo-Fu. Wooden Wares.
- Yamada, Wasuke—Nagano-Ken. Bamboo Wares.
- Yamanaka, Seihichi—Osaka-Fu. (Hutsudan).
- Yamashita, Bumpel—Ishikawa-Ken. Lacquered Wares.
- Yamashita, Rickimatsu—Osaka-Fu. Bamboo Wares.
- Yamacka, Bihachi—Ishikawa-Ken. Lacquered Wares.
- Yenri Boseki Koshi—Formosa. Straw Braid Works.
- Yezaki, Teizo—Nagasaki-Ken. Tortoise Shell Works.
- Yoneda, Seihei—Toyama-Ken. Lacquered Wares.
- Yoshida, Ichiri—Ishikawa-Ken. Lacquered Wares.
- Yoshikawa, Tomiso—Nara-Ken. Bamboo Wares.
- Yuzensekinin Takaoka Shikki Kobai Hambai Kumiai—Toyama-Ken. Lacquered Wares.
- Yumoto, Hatusaro—Nagano-Ken. Vine Works.

GROUP 53

ARTICLES FOR TRAVELING AND FOR
CAMPING. INDIA RUBBER AND
GUTTA PERCHA INDUSTRIES

Hayashi, Daisaku—Osaka-Fu. Trunks and Bags.
Hoka Goshikaisha—Osaka-Fu. Suit Cases.
Matsushita—Osaka-Fu. Trunks, Suit Cases and Bags.
Matsuzaki, Isaburo—Tokyo-Fu. Trunks and Bags.
Nakaya, Asakusu—Osaka-Fu. Suit Cases and Bags.
Yoshikawa, Ginjiro—Tokyo-Fu. Trunks and Bags.

GROUP 56

TOYS

Dragon, Shokai—Kyoto-Fu. Toys.
Hakone Bussan Goshikaisha—Kanagawa-Ken. Toys.
Inouye, Ichinosuke—Iichi-Ken. Toys.
Inouye, Seisuke—Fukuoka. Toys.
Iwata, Yoshizo—Aichi-Ken. Toys.
Kamaya, Mitsutaro — Tokyo-Fu. Artificial Flowers.
Kawamura, Jisuke—Aichi-Ken. Toys.
Kawasu, Hirosaburo — Tokyo-Fu. Artificial Flowers.
Kitagawa, Suyekichi—Tokyo-Fu. Toys.
Koyama, Sadasuke—Osaka-Fu. Toys.
Karamochi, Chokichi—Tokyo-Fu. Toys.
Misaki, Seiji—Kyoto-Fu. Toys and Artificial Flowers.
Mitsuno, Yajiro—Aichi-Ken. Toys.
Mitsunari, Tetsuzo—Kanagawa-Ken. Toys.
Murase, Hichisaburo—Aichi-Ken. Toys.
Nagamine, Seiji—Tokyo-Fu. Toys.
Nakai, Hyakusuke — Tokyo-Fu. Artificial Flowers.
Ota, Toshiro—Aichi-Ken. Toys.
Shimizu, Katsuo—Kyoto-Fu. Toys.
Shinano, Toneso—Osaka-Fu. Toys.
Tanaka, Kinnosuke — Tokyo-Fu. Artificial Flowers.
Tanaka, Shokichi—Kanagawa-Ken. Toys.
Uyemura, Shosuke—Osaka-Fu. Artificial Flowers.
Yamada, Nihei—Osaka-Fu. Toys.
Yamada, Totaro — Ishikawa-Ken. Artificial Flowers.
Yamazaki, Saburo—Tokyo-Fu. Toys.

GROUP 57

PERMANENT DECORATION AND FIXED
FURNITURE FOR BUILDINGS AND
DWELLINGS

Matsui, Taijiro—Osaka-Fu. "Ranma."
Toyamaishi Tatagogyo Kumiai—Toyama-Ken. "Ranma."
Yamanaka, Seiichi—Osaka-Fu. "Ranma."

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE
AND UTILITIES

Endo, Zenjuro—Tokyo-Fu. Screens and Shelves.
Fukuda, Jisuke—Kyoto-Fu. Screens.
Hasegawa, Denjiro—Tokyo-Fu. Cabinets.
Higuchi, Hikoyemon—Osaka-Fu. Screens.
Hiroshima Bijutsu Umekisaku Kenkyukai—Hiroshima-Ken. Screens, etc.
Matsui, Taijiro — Osaka-Fu. Chests and Drawers.
Matsuzaki, Bunnosuke — Tokyo-Fu. Corner

Nishida, Shobi — Nara-Ken. Screens and Shelves.
Oka, Jihei—Osaka-Fu. Tables.
Onjo, Kumeji—Tokyo-Fu. Bookcases, Shelves, Stands.
Onoki, Tonojiro—Osaka-Fu. Cabinets and Screens.
Seto, Yetsaburo—Osaka-Fu. Tables and Cabinets.
Shibuya, Yukimichi—Tokyo-Fu. Chairs and Umbrella Stands.
Shinohara, Yoshiji—Kanagawa-Ken. Bookcases, Couches and Screens.
Susaki, Tatsusaburo—Osaka-Fu. Bookcases.
Tsunessaku Takamatsu—Kanagawa-Ken. Tables and Chairs.
Washizuka, Seiji—Tokyo-Fu. Cabinets.
Watanabe Bijutsu Shoten—Kanagawa-Ken. Bookcases.
Watanabe, Ginjiro—Tochigi-Ken. Tables and Chairs.
Yagi, Tomozo—Tokyo-Fu. Bookcases.
Yamamoto, Shosuke—Osaka-Fu. Screens.

GROUP 60

HARDWARE AND WOODENWARE

Nagata, Daisuke—Hyogo-Ken. Broom Handles.

GROUP 62

INSULATING MATERIALS FOR
ELECTRICITY

Shofu Toki Goshikaisha—Kyoto-Fu. Porcelain Insulators and Shackles; Insulated Tubes.

GROUP 63

PAPER HANGING

Haibara, Naojiro—Tokyo-Fu. Wall Papers.
Kawashima, Shonosuke—Tokyo-Fu. Wall Papers.
Ono, Yasujiro—Osaka-Fu. Wall Papers.
Takahashi, Kaichi—Shizuoka-Ken. Wall Papers.
Teshigahara Goshikaisha—Gifu-Ken. Papers for Windows.
Yamaji, Hyozo—Tokyo-Fu. Wall Papers.
Yutaka Ori Goshikaisha—Hyogo-Ken. Wall Papers.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS
FOR UPHOLSTERY

Akai, Tatsuzo—Osaka-Fu. Carpets.
Asagoya, Sukegoro—Okayama-Ken. Mattings.
Ashimori Chibo Kayengyo Kumiai—Okayama-Ken. Mattings.
Doi, Kohichi—Osaka-Fu. Wall Coverings.
Fujiwara, Ichimatsu—Osaka-Fu. Carpets.
Fujiwara, Natsutaro—Hyogo-Ken. Mattings.
Fukunaken Kayen Dogyo Kumiai—Fukuoka-Ken. Mattings.
Goshikaisha Kanesan Shokai—Hyogo-Ken. Mattings.
Goshikaisha Kanesan Shokai—Okayama-Ken. Mattings.
Goshikaisha Shinsai Gumi—Hyogo-Ken. Mattings.
Haibara, Naojiro—Tokyo-Fu. Wall Coverings.
Hara, Makiji—Hyogo-Ken. Mattings.
Hasenaka, Yetsusaburo — Hyogo-Ken. Mattings.
Hayashi, Yohachiro—Hyogo-Ken. Mattings.
Hayashima Kayengyo Kumiai—Okayama-Ken. Mattings.
Hayashima Kayengyo Kumiai—Okayama-Ken. Mattings.
Hiramatsu, Mitsutaro—Okayama-Ken. Mattings.
Hiroshimaken Kayen Dogyo Kumiai—Hiroshima-Ken. Mattings.

GROUP 77

THREADS AND FABRICS OF FLAX,
HEMP, ETC.; CORDAGE

Funakoshi, Wasuke—Kyoto-Fu. Handkerchiefs, Scarfs, Veils.
Hyogoken Higamigun Kyogi Dogyo Kumiai—Hyogo Ken. Fabrics of Wooden Fibres.
Kanazawa Yushutsu Shishugyo Kumiai—Ishikawa Ken. Handkerchiefs.
Kanno, Masatake—Tochigi-Ken. Fabrics of Wooden Fibre.
Kasahara, Shotaro—Kanagawa-Ken. Handkerchiefs.
Kitanunuma Orimono Dogyo Kumiai—Niigata-Ken. Fabrics of Flax.
Kumazawa, Kinzaro—Kanagawa Ken. Handkerchiefs.
Nakanishi, Gihel—Tokyo-Fu. Handkerchiefs.
Nagata Kangoro—Nara Ken. Fabrics of Wooden Fibres.
Nagoyashi Shishugo Kumiai—Aichi-Ken. Handkerchiefs.
Mitsutani, Tetanzo—Kanagawa Ken. Handkerchiefs.
Omi Mafu Dogyo Kumiai—Shiga Ken. Fabrics of Flax.
Nanada Dogyo Kumiai Kanto Rengokai—Kanagawa Ken. Flax Brands.
Tsuchiya, Noji—Tochigi Ken. Fibres of Wood.

GROUP 78

YARNS AND FABRICS OF ANIMAL
FIBRES

Matanda, Sokichi—Osaka-Fu. Mohlins.
Matsumaka, Harukichi—Tokyo-Fu. Mohlins.
Mosunin Haseki Kabushiki Kaisha—Osaka-Fu. Mohlins.
Nippon Keori Kabushiki Kaisha—Hyogo Ken. Woolen Fabrics.

GROUP 79

SILK AND FABRICS OF SILK

Aichiken Tanyo Onimono Dogyo Kumiai—Aichi-Ken. Mixed Fabrics of Silk and Cotton.
Akiyama Shikakichi—Kanagawa Ken. Dyed Silk Fabrics.
Auchi Onimono Goshikaisha—Tokyo-Fu. Mixed Fabrics of Silk and Cotton.
Arimatsu Shibori Shoka Dogyo Kumiai—Tokyo-Fu. Dyed Silk Fabrics.
Chikurachi Toyonori—Shizuoka-Ken. Dyed Silk Fabrics.

Doi Nippon Yushutsu Habutai Kabushiki Kaisha—Tokyo-Fu. Dyed Silk Fabrics.
Doiichi, Sakichi—Kanagawa Ken. Dyed Silk Fabrics.

Doi Anzai—Kanagawa Ken. Dyed Silk Fabrics.
Fukukawa Kuma Onimono Dogyo Kumiai—Tokyo-Fu. Dyed Silk Fabrics.

Fukui Ken Kai Onimono Dogyo Kumiai—Fukui-Ken. Dyed Silk Fabrics.
Fuji Onimono Kaisha—Kanagawa Ken. Dyed Silk Fabrics.

Fukaya, Akiyoshi—Kanagawa Ken. Dyed Silk Fabrics.
Fukaya, Hideo—Kanagawa Ken. Dyed Silk Fabrics.

Goto, Akira—Tokyo-Fu. Dyed Silk Fabrics.
Goto, Kiyoshi—Tokyo-Fu. Dyed Silk Fabrics.

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Goto, Kiyoshi—Tokyo-Fu. Dyed Silk Fabrics.
Goto, Kiyoshi—Tokyo-Fu. Dyed Silk Fabrics.

Hachioji Nenshi Dogyo Kumiai—Tokyo-Fu. Twisted Silks.

Hachioji Orimonto Dogyo Kumiai—Tokyo-Fu. Silk Fabrics.

Hakata Shibori Dogyo Kumiai—Fukuoka-Ken. Dyed Silk Fabrics.

Hamachirimen Dogyo Kumiai—Shiga-Ken. Silk Fabrics.

Hibino Sozaburo—Shiga-Ken. Silk Fabrics.

Hosho Sekinin Kawamata Shinyo Kobai—Hambai Kumiai—Fukushima-Ken. Silk Fabrics.

Hori, Yuhei—Gunma-Ken. Silk Fabrics.

Hosokawa, Jiroayemon—Toyama-Ken. Silk Fabrics.

Iizuki, Haryataro—Gunma-Ken. Silk Fabrics.

Inada Shoten—Kyoto-Fu. Silk Fabrics.

Inouye, Ichiro—Yamanashi-Ken. Silk Fabrics.

Ishii, Namikichi—Gunma-Ken. Silk Fabrics.

Ishikawaken Yushutsu Orimono Dogyo Kumiai—Ishikawa-Ken. Silk Fabrics.

Iwamura, Shun—Yamanashi-Ken. Silk Fabrics.

Iyejima, Genjiro—Kyoto-Fu. Silk Velvets.

Izumi, Zazo—Gunma-Ken. Silk Fabrics.

Kabushiki Kaisha Tonomura Shoten—Tokyo-Fu. Mixed Silk and Wool Fabrics.

Kakiage, Bunzayemon—Gunma-Ken. Silk Fabrics.

Kanazawa, Takesaburo—Shiga-Ken. Silk Fabrics.

Kanazawashi Sengyo Dantai—Ishikawa-Ken. Dyed Silk Fabrics.

Kanomata Chujiro—Yamagata-Ken. Silk Fabrics.

Kato, Toyotaro—Aichi-Ken. Mixed Fabrics of Silk and Cotton.

Katsukara, Mokichi—Tochigi-Ken. Mixed Silk and Cotton Fabrics.

Kawamoto, Shobai—Kyoto-Fu. Dyed Silk Fabrics.

Kawashima, Jinbei—Kyoto-Fu. Silk Fabrics.

Kawashima, Kyubei—Tochigi-Ken. Mixed Silk and Cotton Fabrics.

Kimura, Asahichi—Tochigi-Ken. Silk Fabrics.

Kimura, Isaburo—Gunma-Ken. Silk Fabrics.

Kiryu Orimono Dogyo Kumiai—Gunma-Ken. Twisted Silks.

Kitagawa, Enchiro—Gunma-Ken. Dyed Silk Fabrics.

Kobayashi, Yojiro—Gunma-Ken. Silk Fabrics.

Kumazawa, Jintaro—Kanagawa-Ken. Dyed Silk Fabrics.

Kutsuzima, Runtaro—Shiga-Ken. Silk Fabrics.

Kuwahara, Hajime—Yamanashi-Ken. Silk Fabrics.

Kuwahara, Sakichi—Gunma-Ken. Silk Fabrics.

Kyoto Nenshogyo Kumiai—Kyoto-Ken. Twisted Silks.

Machida, Tekunosuke—Tokyo-Fu. Twisted Silks.

Makita, Gentaro—Kanagawa-Ken. Silk Fabrics.

Mitsun, Motoyemon—Fukuoka-Ken. Silk Fabrics.

Makita, Norihiro—Fukuoka-Ken. Silk Fabrics.

Makita, Sengyo—Tokyo-Fu. Silk Fabrics.

Makita, Norihiro—Fukuoka-Ken. Silk Fabrics.

Makita, Sengyo—Tokyo-Fu. Silk Fabrics.

Makita, Norihiro—Fukuoka-Ken. Silk Fabrics.

Makita, Sengyo—Tokyo-Fu. Silk Fabrics.

Makita, Norihiro—Fukuoka-Ken. Silk Fabrics.

Makita, Sengyo—Tokyo-Fu. Silk Fabrics.

Makita, Norihiro—Fukuoka-Ken. Silk Fabrics.

Makita, Sengyo—Tokyo-Fu. Silk Fabrics.

Makita, Norihiro—Fukuoka-Ken. Silk Fabrics.

Makita, Sengyo—Tokyo-Fu. Silk Fabrics.

Makita, Norihiro—Fukuoka-Ken. Silk Fabrics.

Nanan Kisen Domeikai—Nagano-Ken. Silk Fabrics.
 Nanboku Asumigun Tensakusan Dogyo Kumiai—Nagano-Ken. Silk Fabrics.
 Nihon Seifu Kabushiki Kaisha—Kyoto-Fu. Mixed Fabrics of Silk Dyed.
 Nishimura, Sozayemon—Kyoto-Fu. Silk Velvet.
 Ogasawara, Kanai — Yamagata-Ken. Silk Fabrics.
 Ogiwara, Genjiro—Gunma-Ken. Silk Fabrics.
 Okabe, Kikntaro — Kanagawa-Ken. Silk Fabrics.
 Okajima, Koto—Tochigi-Ken. Silk Fabrics.
 Okunaki, Michitaro—Yamanashi-Ken. Silk Fabrics.
 Okuzawa, Taiichiro—Tochigi-Ken. Mixed Cotton and Silk Fabrics.
 Omi Velvet Goshi Kaisha—Shiga-Ken. Silk Velvets.
 Osawa, Tokujiro—Gunma-Ken. Silk Fabrics.
 Otanka Kichihei Seishoku Kojo—Shiga-Ken. Silk Fabrics.
 Ouchi, Yasobei—Fukushima-Ken. Silk Fabrics.
 Ryomo Seishoku Kabushiki Kaisha—Gunma-Ken. Silk Fabrics.
 Sagaya, Sayemon — Yamagata-Ken. Silk Fabrics.
 Saigai Shusu Den — Yamagata-Ken. Silk Fabrics.
 Sakurai, Shinroku — Tochigi-Ken. Mixed Fabrics of Cotton and Silk.
 Shindo, Yuji—Tochigi-Ken. Mixed Cotton and Silk Fabrics.
 Shiozawa, Tomozo — Kanagawa-Ken. Dyed Silk Fabrics.
 Sowa, Kaichiro — Kanagawa-Ken. Silk Fabrics.
 Sowa, Kaichiro—Tokyo-Fu. Silk Fabrics.
 Sugimoto, Eisaburo—Gunma-Ken. Twisted Silks.
 Sugimoto, Yoneji—Kyoto-Fu. Silk Fabrics.
 Suzuki, Jisaku—Yamanashi-Ken. Silk Fabrics.
 Takashimaya Iida Gomeikaisha Kyoto Boyekiten—Kyoto-Fu. Silk Velvets.
 Takashimaya Iida Gomeikaisha Yokohama Boyekiten — Kanagawa-Ken. Fabrics of Silk.
 Takeda, Seigoro—Yamagata-Ken. Silk Fabrics.
 Takimoto, Yohyoe—Aichi-Ken. Mixed Silk and Cotton Fabrics.
 Tanaka, Zenjiro—Gifu-Ken. Mixed Fabrics of Silk and Cotton.
 Tanaka, Rihichi—Kyoto-Fu. Silk Velvets.
 Teikoku Menshi Orimono Kabushiki Kaisha—Aichi-Ken. Silk Fabrics.
 Tochio Orimono Dogyo Kumiai—Niigata-Ken. Silk Fabrics.
 Tokamachi Orimono Dogyo Kumiai—Niigata-Ken. Silk Fabrics.
 Tomomura, Yozayemon — Osaka-Fu. Silk Fabrics.
 Terai, Chiyomatsu — Kanagawa-Ken. Silk Fabrics.
 Toyamaken Orimono Mohan Kojo—Toyama-Ken. Silk Fabrics.
 Toyotama Orimono Goshikaisha—Tokyo-Fu. Silk Fabrics.
 Tsuruoka Kigyo Kabushiki Kaisha—Yamagata-Ken. Silk Fabrics.
 Wada, Torakichi—Gunma-Ken. Silk Fabrics.
 Watanabe Gomeikaisha—Aichi-Ken. Mixed Cotton and Silk Fabrics.
 Watanabe, Ichiso — Yamanashi-Ken. Silk Fabrics.
 Watanabe, Koshiro—Yamanashi-Ken. Silk Fabrics.
 Watanabe, Yasuhei—Yamanashi-Ken. Silk Fabrics.
 Tsumetachi—Kanagawa-Ken. Twisted

Yamamoto, Noayemon—Aichi-Ken. Mixed Silk and Cotton Fabrics.
 Yamanashiken Kita Tsurugun Kaiki Dogyo Kumiai—Yamanashi-Ken. Silk Fabrics.
 Yamanashiken Minami Tsurugun Kaiki Dogyo Kumiai—Yamanashi-Ken. Silk Fabrics.
 Yamatoya Shatsu Gomeikaisha—Kanagawa-Ken. Silk Fabrics Mixed with Cotton.
 Yebara, Teisuko—Gunma-Ken. Silk Fabrics.
 Yenumagun Naichiyo Kinu Orimono Dogyo Kumiai—Ishikawa-Ken. Silk Fabrics.
 Yoshida, Yoshitaro — Fukuoka-Ken. Silk Fabrics.
 Yoshimura, Gizayemon — Gifu-Ken. Silk Fabrics.
 Yoshimura, Zensaburo—Gifu-Ken. Silk Fabrics.
 Yoritogyo Domeikumiai — Kanagawa-Ken. Twisted Silks.
 Yushutsukai—Kanagawa-Ken. Silk Fabrics.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Endo, Hirotsaku—Kanagawa-Ken. Table Center Pieces.
 Fuji Shokai—Kyoto-Fu. Embroideries.
 Fujikake, Yozayemon — Tokyo-Fu. Shoe Strings and Trimmings.
 Gomeikaisha Nakai Shoten—Hyogo-Ken. Embroideries.
 Hamakaze, Yasaburo—Kyoto-Fu. Embroideries.
 Hasegawa, Iwataro — Kanagawa-Ken. Laces and Drawn Work.
 Higuchi, Bunsuke — Kyoto-Fu. Gold and Silver Threads.
 Hirata, Tsunejiro—Tokyo-Fu. Laces.
 Hirayama, Tokichi—Shizuoka-Ken. Drawn Works.
 Inouye, Komei—Shizuoka-Ken. Laces.
 Ito Hajimeko—Tokyo-Fu. Laces.
 Iwata, Toshiro—Kanagawa-Ken. Laces.
 Kabushikaisha Takemura Shokai—Kanagawa-Ken. Drawn Work.
 Kasahara, Shotaro—Kanagawa-Ken. Laces and Drawn Work.
 Katagiri, Mashaharu—Kanagawa-Ken. Laces.
 Kato Gomeikaisha Yokohama Shitan—Kanagawa-Ken. Laces.
 Kawashima, Jimbei — Kyoto-Fu. Embroideries.
 Machida, Tokunosuke—Tokyo-Fu. Silk Cords.
 Masuda, Taihei—Shiga-Ken. Embroideries.
 Mayeda, Kotaro—Kanagawa-Ken. Laces and Drawn Work.
 Mitamura, Tsunejiro—Tokyo-Fu. Laces.
 Nagoyashi Shishugyo Kumiai — Aichi-Ken. Embroideries.
 Nakano, Yozaburo—Tokyo-Fu. Laces.
 Nakano, Yozaburo—Tokyo-Fu. Silk Cords.
 Nishiha, Yoichiro—Hyogo-Ken. Embroideries.
 Nishimura, Keizo—Tokyo-Fu. Laces.
 Nishimura, Sozayemon—Kyoto-Fu. Embroideries.
 Sugimoto, Matsunosuke — Kyoto-Fu. Embroideries.
 Takashimaya Iida Gomeikaisha Kyoto Boyekiten—Kyoto-Fu. Embroideries.
 Takashimaya Iida Gomeikaisha Yokohama Boyekiten—Kanagawa-Ken. Embroideries.
 Tanaka, Isaburo—Kanagawa-Ken. Embroideries.
 Tanaka, Rihichi—Kyoto-Fu. Embroideries.
 Teranishi, Shigeaki—Hyogo-Ken. Table Center Pieces.
 Toyo Bussan Kabushiki Kaisha—Niigata-Ken. Laces.
 Yamamoto, Naofiro — Kanagawa-Ken. Embroideries.
 Yamamoto, Naofiro—Kanagawa-Ken. Drawn Works.
 Yamamura, Yaju — Shizuoka-Ken. Work.

NEW ZEALAND

New Zealand Pav., Lafayette Ave., opp.
French Pav.

GROUP 53

**ARTICLES FOR TRAVELING AND FOR
CAMPING; INDIA RUBBER AND
GUTTA PERCHA INDUSTRIES**

Department of Tourist & Health Resorts—Wellington. Mountaineering Outfits.

GROUP 54

**HUNTING EQUIPMENT AND PRODUCTS
OF HUNTING**

Anderson, P.—Martinborough. Stags Heads.
Calthorpe, H.—Auckland. Fish (mounted).
Cooper, Jas.—Martinborough. Stags Heads.
Cooper, W.—Masterton. Stags Heads.
Department of Agriculture, Industries and
Commerce—Wellington. Tuatara Lizards.
Department of Tourist & Health Resorts—Wellington. Stags Heads and Fish (mounted).
Donner, J. D.—Rotorua. Fish (mounted).
Faulke, J.—Pembroke. Stags Heads.
Holmes, J.—Franton Junction. Kiwis and
Egg. Stags Heads.
Irons, W.—Martinborough. Stags Heads.
Leonard, Arthur—Waihou. Stags Heads.
McCarroll, J. H.—Arapu. Maori Curios.
McDonald, P.—Featherston. Stags Heads
and Boar Heads.
Moon, G. W. Coutts—Christchurch. Fish
(mounted).
New Zealand Government—Wellington. Stags
Heads.
O'Brien, Maurice—Wellington. Pheasants and
Bitterns (mounted).
Otago Acclimatisation Society—Dunedin. Stags
Heads.
Ross, J. M.—Martinborough. Boar Heads.
Simmons, L.—Auckland. Maori Curios.
Spiers, J.—Kuwai. Stags Heads.
Steffon, J.—Kuwai. Stags Heads.

GROUP 55

FISHING EQUIPMENT AND PRODUCTS

Hazard, W. H.—Auckland. Fishing Requisites.

GROUP 64

**CARPETS, TAPESTRIES AND FABRICS
FOR UPHOLSTERY**

Broughton, M. E.—Auckland. Maori Mats.

GROUP 82

**FURS AND SKINS, FUR CLOTHING;
LEATHER, BOOTS AND SHOES**

Trenwith Bros.—Auckland. Boots and Shoes.

GROUP 83

**VARIOUS INDUSTRIES CONNECTED WITH
CLOTHING**

Cranwell, A. H.—Auckland. Inlaid Walking
Stocks.

Location: Agricultural Palace, Avenues C
and D, bet. 6th and 8th Streets

GROUP 49

**OBJECTS EXHIBITED MORE FOR THEIR
ORNAMENTAL DESIGN THAN FOR
THEIR UTILITY**

Barclay, Laura E., Auckland. Pyrography.

GROUP 50

**ORNAMENTAL PRODUCTIONS IN MARBLE,
BRONZE, CAST IRON AND
WROUGHT IRON**

Parkinson, W. & Co., Auckland. Marble Sculpture.

GROUP 54

**HUNTING EQUIPMENT AND PRODUCTS
OF HUNTING**

Anderson, P.—Martinborough. Two Stags
Heads.
Barton, W.—Featherston. One Stag Head.
Director, "Dominion Museum"—Wellington.
Taxidermist's Work.
Irons, W.—Martinborough. Three Fallow Deer
Heads.
Leonard, A.—Waihou. Three Fallow Deer
Heads.
Mayo, J. G.—Palmerston, No. Two Stags
Heads.
McDonald, P.—Featherston. Three Stags
Heads.
New Zealand Government—Wellington. Deer
Heads.
Ross, D.—Martinborough. One Stag Head.
Spiers, J.—Kuwai. Two Stags Heads.
Strang, J.—Glensick. Stag's Head.
Wigram, Hon. H. F.—Christchurch. Stag
Head.

GROUP 57

**PERMANENT DECORATION AND FIXED
FURNITURE FOR BUILDINGS AND
DWELLINGS**

Dept. of Public Works—Wellington. Mantel-
piece and overmantel.
Parkinson, W., & Co., Ltd.—Auckland. Mar-
ble Ornaments.

GROUP 58

**OFFICE AND HOUSEHOLD FURNITURE
AND UTILITIES**

Public Works Department, Wellington. Over-
mantel piece.
Winks & Hall, Auckland. Furniture.
Winks and Hall—Auckland. Furniture.

GROUP 65

UPHOLSTERERS' DECORATIONS

Post and Telegraph Dept.—Wellington. Two
Frames.

GROUP 77

**THREADS AND FABRICS OF FLAX,
HEMP, ETC.; CORDAGE**

Department of Agriculture, Industry & Com-
merce—Wellington. Hemp Trophy.
Donaghy's & Co., Ltd.—Dunedin. Rope, Cord-
age and Binder Twine.
Donaghy's Rope & Twine Co., Ltd., Dunedin.
Ropes.
Madden Bros.—Christchurch. Ropes, Cord-
age and Binder Twine.
Madden Brothers, Christchurch. Rope.
Wellington Cordage Co., Ltd.—Wellington.
Binder Twine.
Wellington Cordage Co., Ltd., Wellington.
Binder Twine.

GROUP 78

**YARNS AND FABRICS OF ANIMAL
FIBERS**

Mosgiel Woollen Factory Co., Ltd.—Dunedin.
Traveling Rugs.
Mosgiel Woollen Factory Co., Ltd., Dunedin.
Woollen Robes.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Bennett, Miss H. I.—Timarn. Table center.
 Bennett, Miss H. I., Timarn, New Zealand.
 Table Center.
 Roche, Mrs. M. J.—Blue Spur. Laces, Neck-
 wear and Handkerchief.

Roche, Mrs. J., Otago... Lace.
 Smith, Mrs. E. L., Te Puke. Laces.

GROUP 82

**FURS AND SKINS, FUR CLOTHING;
 LEATHER, BOOTS AND SHOES**
 Nicholls, Wm., & Sons—Belfast, Canterbury.
 Dressed Sheepskins.

PERSIA

Mfr. Pal., 1st St. & Av. D.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Persian Government. Silverware and Gold-
 ware.

GROUP 47

JEWELRY

Persian Government. Jewelry.

GROUP 40

**OBJECTS EXHIBITED MORE FOR THEIR
 ORNAMENTAL DESIGN THAN FOR
 THEIR UTILITY**

Persian Government. Tapestries, etc.

GROUP 64

**CARPETS, TAPESTRIES AND FABRICS
 FOR UPHOLSTERY**

Persian Government. Rugs and Tapestries.

GROUP 65

UPHOLSTERERS' DECORATIONS

Persian Government. Tapestries.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Persian Government. Laces and Embroider-
 ies.

SWEDEN

Swedish Pav., Av. of Nations, Opp. Canada

GROUP No. 44

**STATIONERY, DESK ACCESSORIES,
 ARTISTS' MATERIALS**

Tip Top Patent Co., Stockholm, Sweden.
 Patent pencil-holders.

GROUP No. 45

CUTLERY

Eskilstuna Iron Manufacturing Co., Eskils-
 tuna, Sweden. Cutlery.
 Berg, Erik Anton, Eskilstuna, Sweden. Cut-
 lery.
 Hagar Hallstroms Knife Mfg. Co., Eskils-
 tuna, Sweden. Cutlery.
 Hellestrand Co., O. V., Eskilstuna, Sweden.
 High-grade razors, scissors, tongs, etc.
 Olsson, Emil, Eskilstuna, Sweden. High-
 grade pen and pocket knives, etched and
 gilded steel articles.
 Tornblom and Hedengran Co., Eskilstuna,
 Sweden. High-grade pen and pocket
 knives, etched steel articles, etc.
 Domestic Industry Association of Westerbot-
 tens Lan, The, Umea, Sweden. Fancy
 knives and daggers.

GROUP No. 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Hallbergs Jewelry Co., C. G., Stockholm and
 Gothenburg, Sweden. Jewelry and enam-
 eled work.

Anderson, K., Stockholm and Gothenburg,
 Sweden. Jewelry and enameled work.

GROUP No. 48

CLOCK AND WATCH MAKING

Linderoth, G. W., Stockholm, Sweden. Tower
 clock and seven (7) bell chimes.

GROUP No. 49

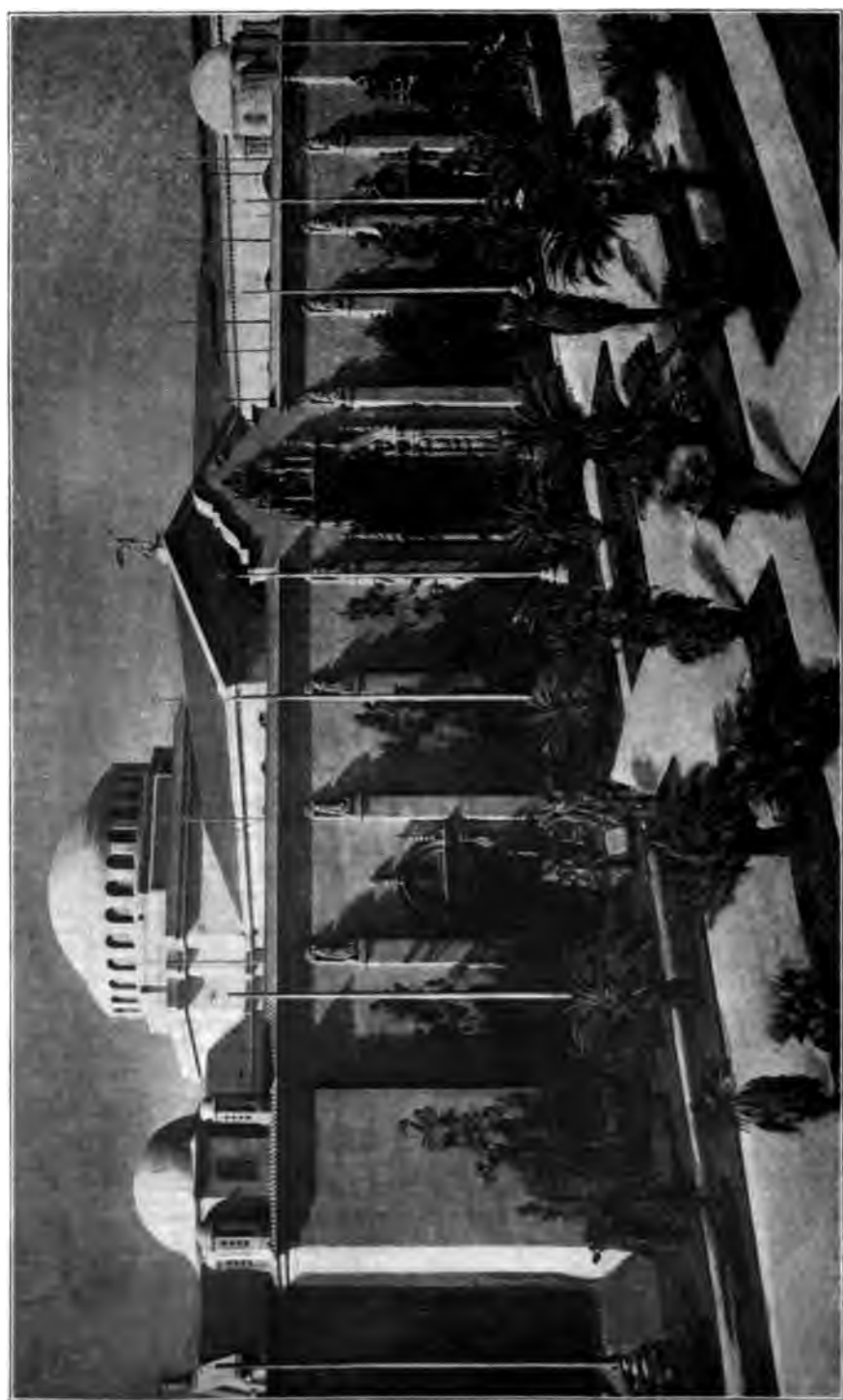
**OBJECTS EXHIBITED MORE FOR THEIR
 ORNAMENTAL DESIGN THAN FOR
 THEIR UTILITY**

"Beehive," The, Stockholm, Sweden. Hand-
 made miniature national costumes from
 various parts of Sweden.
 Domestic Association of Varmlands Lan, The,
 Karlstad, Sweden. Hammered iron can-
 dlesticks.
 Domestic Association of Upper Halsingland,
 The, Hudiksvall, Sweden. Hammered iron.

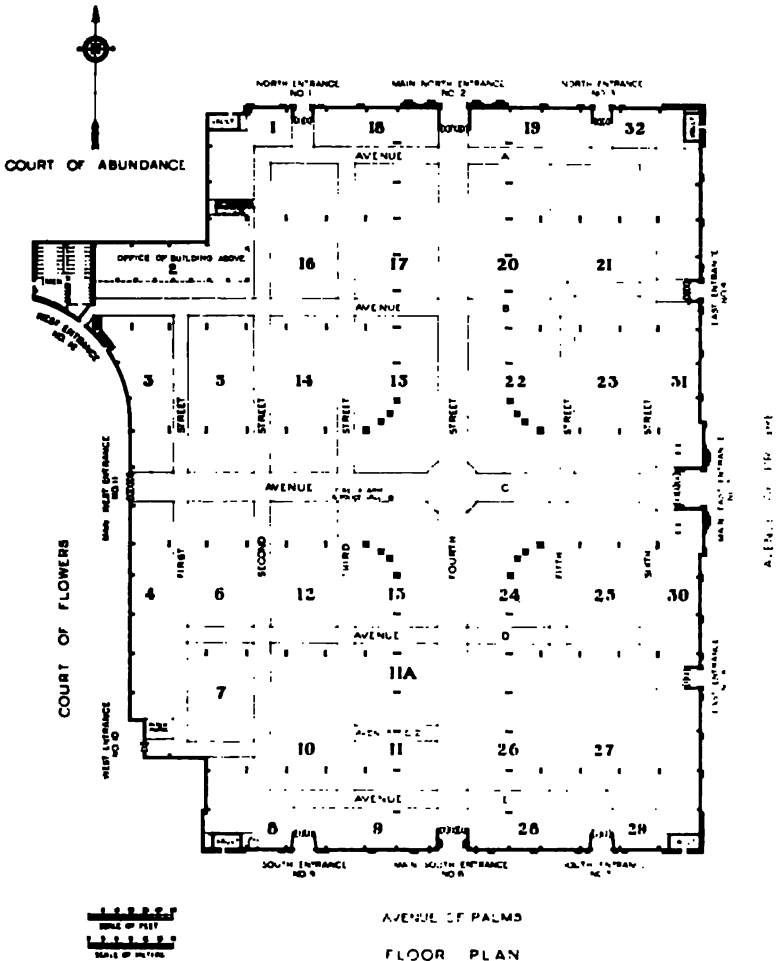
GROUP No. 52

**BRUSHES, FINE LEATHER ARTICLES,
 FANCY ARTICLES AND BASKET
 WORK**

Sloyd Association of Harjedalen, The, Sveg,
 Sweden. Fancy baskets.
 Domestic Industry Association of Jonkoping,
 The, Jonkoping, Sweden. Fancy baskets.
 Domestic Industry Association of South Kal-
 mar Lan, The, Kalmar, Sweden. Fancy
 baskets.



PALACE OF VARIED INDUSTRIES



FLOOR PLAN

PALACE OF VARIED INDUSTRIES

PANAMA-PACIFIC INTERNATIONAL EXPOSITION

OPENS FEBRUARY 20 SAN FRANCISCO U. S. A. 1915 CLOSING APRIL 4

HOW TO LOCATE AN EXHIBIT

The Palace of Varied Industries is laid out in blocks, which are consecutively numbered from 1 to 32, inclusive, as shown on the floor plan. The aisles are designated as streets (First to Sixth), running north to south, and as avenues (A to E), from east to west. To locate an exhibitor refer to the names, alphabetically arranged under the exhibit group to which each belongs in the official classification, and note the aisle location following each name. Street and Avenue signs are erected at their intersection on the corners of all blocks.

All Exhibits entered in this Catalogue are located in the Palace of Varied Industries, **unless otherwise indicated** after the entry. The following are abbreviations used in this Catalogue to designate other Exhibit Palaces:

Fine Arts Palace.....	Fn. A. Pal.
Education Palace.....	Ed. Pal.
Liberal Arts Palace.....	Lb. A. Pal.
Manufactures Palace.....	Mfr. Pal.
Varied Industries Palace.....	V. I. Pal.
Machinery Palace.....	Mch. Pal.
Transportation Palace.....	Trns. Pal.
Agriculture Palace.....	Agr. Pal.
Food Products Palace.....	Fd. Pr. Pal.
Live Stock Palace.....	Lv. St. Pal.
Horticulture Palace.....	Hor. Pal.
Miner and Metallurgy Palace.....	Min. Pal.

DEPARTMENT E—DOMESTIC VARIED INDUSTRIES

UNITED STATES

Silks, Cotton and Woolens, Ceramics, Jewelry, Silverware, Tapestries, Laces, Embroideries, Furs, Etc.

GROUP 44

STATIONERY, DESK ACCESSORIES, ARTISTS' MATERIALS

American Lead Pencil Co., New York, N. Y. Lead Pencils. V. L. Av. A. cor. 3rd St.
Champion-Internat'l. Co., Lawrence, Mass. Papers. Lawr. Coll. Exh. V. L., 2nd St., Av. A & 3rd.
Crane & Co., Dalton, Mass. V. L. cor. Av. A & 4th St. Makers of Crane's Bond, recognized as the superb paper for all purposes.
Eaton, Crane & Pike Co., Pittsfield, Mass. V. L. cor. Av. A & 4th St. Manufacturers of Crane's Fine Writing Papers, Highland Linen, and Berkshire Typewriting Papers.
Faber, Eberhard, Brooklyn, N. Y. Lead pencils, pen holders, crayons. V. L., 4th, cor. Av. B.
Graf Co., Geo. B., Boston, Mass. Adjustable Index Tabs, Celluloid Faced. V. L. Av. A. cor. 3rd St.
Gorham Company, The, New York, N. Y. Stationery. V. L., 3rd St., Av. C & 4th St.
Hoggson & Pettis Mfg. Co., New Haven, Conn. Cutting Dies. V. L., Av. B & 2d St. (New Haven Collective.)
Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Loose Leaf Binders. V. L. Av. A. cor. 4th St.
Lawrence Chamber of Commerce, Lawrence, Mass. Coll. Ex. V. L., 2nd St., Av. A & 3rd St.
Modern Manufacturing Co., The, Waterbury, Conn. Loose Leaf Rings. V. L. Av. A. cor. 3rd St.
National Blank Book Co., Holyoke, Mass. Note Books, etc. V. L., Av. A. cor. 3rd St.
Nat'l Folding Box & Paper Co., The, New Haven, Conn. Folding Paper Boxes. V. L. Av. B & 2nd St.
New Haven Manufacturers' Exhibit, Inc., New Haven, Conn. Coll. Ex. V. L. Av. B & 2nd St.
Novelty Outlery Co., The, Canton, O. Desk furnishings, etc. (See Multiplex Display Fixtures.) V. L. Av. A. cor. 3rd St.
Pacific Folding Box Factory, San Francisco, Cal. Paper Boxes. V. L. Av. A & 3rd St.
Union Pencil Co., New York, N. Y. Pencils. V. L. Av. A. cor. 4th St.

GROUP 45

CUTLERY

American Tap and Die Co., Greenfield, Mass. Cutlery. V. L. Av. A. cor. 3rd St.
Chatillon, John & Sons, New York, N. Y. Cutlery. V. L. Av. A. cor. 3rd St.
Cook Co., The H. C., Ansonia, Conn. Nail Clippers. V. L. Av. A. cor. 3rd St.
E. & G. Automatic Lock, Nut & Bolt Mfg. Co., Rochester, N. Y. Phenix. V. L. Av. A. cor. 3rd St.
Gillette Safety Razor Co., Boston, Mass. Safety Razors. V. L. Av. C & 3d St.
Gorham Company, The, New York, N. Y. Cutlery. V. L., 3rd St., Av. C & 4th St.
Kahn Barber Supply Co., St. Louis, Mo. Razor Straps. V. L. Av. A. cor. 3rd St.

Meriden Cutlery Co., Meriden, Conn. Cutlery. V. L. Av. A. cor. 3rd St.
Murphy, Robert Sons Co., Ayer, Mass. Knives of all kinds. V. L. Av. A. cor. 3rd St.
New Haven Mfrs.' Exhibit, Inc., New Haven, Conn. Coll. Ex. V. L., Av. B & 2nd St.
Novelty Outlery Co., The, Canton, O. Cutlery. (See Multiplex Display Fixture.) V. L. Av. A. cor. 3rd St.
Regal Silver Mfg. Co., The, New Haven, Conn. Cutlery. V. L. Av. B & 2nd St. (New Haven Coll. Ex.)
Schrade Cutlery Co., Walden, N. Y. Pen and Pocket Cutlery. V. L. Av. A & 4th St.
Sloan & Co., New York, N. Y. Cigar Cutters. V. L. 4th St. & Av. B.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Baird-North Company, Providence, R. I. Watches. V. L., 3rd St., Av. E & 4th St. (Prov. Coll.)
Baldwin Jewelry Co., San Francisco, Cal. Silverware. V. L. Av. B. cor. 4th St.
Blanchard Brothers—Gardner, Mass. Flat Silver. V. L. 1st St. bet. Ays. B & C.
Gorham Co., The, New York, N. Y. V. L. Pal., 3rd St., Av. C & 4th St. Sterling Silverware; Gold Ware; Hard Metal Plated Ware; Sculpture in Bronze and Marble; Ecclesiastical Ware in Silver, Gold, Brass, and Bronze. Chests and Cases for Silverware.
International Silver Co., Meriden, Conn. Silversmiths. V. L., 4th St., bet. Ays. B & C. Sterling Silver, Hotel Silverware, Gold and Silver Plate, Ecclesiastical Ware, Cut Glass. Salesrooms, New York, Chicago and San Francisco, 150 Post St.
New Haven Mfrs.' Exhibit, Inc., New Haven, Conn. Coll. Ex. V. L., Av. B & 2nd St.
Regal Silver Mfg. Co., The, New Haven, Conn. Plated ware and coffee percolators. V. L. Av. B & 2nd St.
Rice, Miss Mary Selton Baltimore, Md. Silver Bowls. V. L., 1st St. bet. Ays. B & C.
Schorr, A., New York, N. Y. Silverware. V. L., 3rd St. & Av. B.
Shreve & Co., San Francisco, Cal. Gold Ware. V. L., 4th St., cor. Av. C.

GROUP 47

JEWELRY

Alaska Garnet Mining & Mfg. Co., Minneapolis, Minn. Garnets. V. L. cor. Av. B & 2nd St.
Bacon, Mrs. Fred—Los Angeles Cal. Jewelry. V. L., 1st St. bet. Ays. B & C.
Baird-North Company, Providence, R. I. Jewelry. (Prov. Coll.) V. L., 3rd St. Av. E & 4th St.
Bannister, F., New York, N. Y. Native California Stone Jewelry. V. L., 4th St., bet. Ays. A & B.
Brewster, Mrs. F. H. Buffalo, N. Y. Jewelry. V. L., 1st St. bet. Ays. B & C.
California Gem Co., S. F., Cal. Precious and semi-precious stones. V. L., 4th St., bet. Ays. A & B.

Carborundum Co.—Niagara Falls, N. Y. Polishing Wheels. Mch. Pal., 4th St. & Av. H.

Chapard Mfg. Co., Providence, R. I. Jewelry. (Prov. Coll.) V. I., 3rd St., Av. E & 4th St.

Clark, Helen Caroline—Jamaica Plain, Mass. Jewelry. V. I., 1st St. bet. Avs. B & C.

Clute, Mrs. Beulah Mitchell—Cucamonga, Cal. Jewelry. V. I., 1st St. bet. Avs. B & C.

Connor, Rose—Pasadena, Cal. Jewelry. V. I., 1st St. bet. Avs. B & C.

Davidson, Inc., John C., San Francisco, Cal. Scientific Gems. V. I., 3rd St., bet. Avs. B & C.

Donaldson, Ethel A.—Minneapolis, Minn. Jewelry. V. I., 1st St. bet. Avs. B & C.

Elverhoj Colony—Milton-on-Hudson, N. Y. Jewelry. V. I., 1st St. bet. Avs. B & C.

Erb, Daisy E., Portland, Me. Jewelry. V. I., 2nd St., bet. Avs. B & C.

Granberry & Shute, Newark, N. J. Native California Stone Jewelry. V. I., 4th St., bet. Avs. A & B.

Griffing, Tracy A., Medley Studio—Gloucester, Mass. Jewelry. V. I., 1st St. bet. Avs. B & C.

Grief, Lillian Sarah—Baltimore, Md. Jewelry. V. I., 1st St. bet. Avs. B & C.

Hale, Frank Gardner—Boston, Mass. Jewelry. V. I., 1st St. bet. Avs. B & C.

Hazen, Grace—New York, N. Y. Jewelry. V. I., 1st St. bet. Avs. B & C.

Hill, Susan Leland—Worcester, Mass. Jewelry. V. I., 1st St. bet. Avs. B & C.

Johannot, Carl H.—Rochester, N. Y. Jewelry. V. I., 1st St. bet. Avs. B & C.

Low-Tansig-Karpeles Co., Providence, R. I. Jewelry. (Prov. Coll.) V. I., 3rd St., Av. E & 4th St.

Lucas, Geo. F., San Francisco, Cal. Jewelry. V. I., 3rd St., bet. Avs. B & C.

Lyons Manufacturing Co., Providence, R. I. (Prov. Coll. Ex.) V. I., 3rd St., Av. E & 4th St.

Maine Handicraft Shop, Portland, Me. Jewelry. V. I., 2d St. bet. Avs. B & C.

Marden & Kettlety Co., Providence, R. I. Jewelry. (Prov. Coll. Ex.) V. I., 3rd St., Av. E & 4th St.

Newcomb College School of Art—New Orleans, La. Jewelry. Ed. Pal., Av. C & 6th St.

Overman, Miss Ruth, Santa Barbara, Cal. Jewelry. V. I., 1st St. bet. Avs. B & C.

Perera, Edgar F.—New York, N. Y. Jewelry. V. I., 1st St. bet. Avs. B & C.

Potter Studio—Cleveland, O. Jewelry. V. I., 1st St. bet. Avs. B & C.

Preston, Jessie M.—Chicago, Ill. Jewelry. V. I., 1st St. bet. Avs. B & C.

Restall Mfg. Co., Long Beach, Cal. Flower Beds. V. I., 2nd St. bet. Avs. B & C.

Rockwell, Mrs. Lucy Twyman, "Roscoe" Mass. St. Pa. New York, V. I., 1st St. bet. Avs. B & C.

Schorr, A., New York, N. Y. Jewelry. V. I., 1st St. bet. Avs. B & C.

Shreve & Co., San Francisco, Cal. Jewelry. V. I., 1st St. bet. Avs. B & C.

Smith, May Mott, Los Angeles, Cal. Jewelry. V. I., 1st St. bet. Avs. B & C.

Strange, Miss Millicent, The Mintwood, W. Va. Jewelry. V. I., 1st St. bet. Avs. B & C.

Turpin, Dorothy W., New York, Mass. Jewelry. V. I., 1st St. bet. Avs. B & C.

Walton & Co.—San Francisco, Cal. Jewelry. V. I., 1st St. bet. Avs. B & C.

Wrightman & Hough Co., Providence, R. I. (Prov. Coll. Ex.) V. I., 3rd St., Av. E & 4th St.

GROUP 48

CLOCK AND WATCH MAKING

Bristol Co., The, Waterbury, Conn. Electric Time Recorders and Electric Motor Driven Clocks. Mch., 2nd St. & Av. D.

Foxboro Co., The—Foxboro, Mass. Elec. Time Recorders. Mch. Pal., 3d St. & Av. C2.

Herschede Hall Clock Co., The, Cincinnati, O., U. S. A. V. I., 3rd St., bet. Avs. B & C. Exclusive makers of high grade Chime Hall Clocks and Mantel Clocks; Chime Hall Clock Movements; Hall Clocks complete; Mantel Clocks complete; Hall and Mantel Clock cases, especially selected solid oak and mahogany, designed to harmonize with any surroundings in the home, institution or public building.

Industrial Instrument Co., The, Foxboro, Mass. Elec. Time Recorders. Mch. 3rd St. & Av. C2.

New Haven Clock Co., New Haven, Conn. (New Haven Collective Exhibit.) V. I., Av. B & 2nd St. Established 1817. Capital \$1,000,000. Show rooms, 150 Post St., San Francisco, Chicago, Toronto and New York. Factory, New Haven, Conn. See also Exhibit in Watch Palace, Head of Zone.

Waltham Watch Co., The, Waltham, Mass. Automatic Watch Machinery, Watches, Clocks, Regulators, Chronometers, Instruments and Instruments of Precision. V. I., 2nd St., Av. C & 3rd St.

Western Clock Co., La Salle, Ill. V. I., Av. B, cor. 3rd St. Makers of Alarm Clocks, Watches and Movements. "Made in La Salle, Ill., by Westclox." Big Ben Alarm Clock; Baby Ben Alarm Clock; Sleepmeter Back Bell Alarm Clock; Sleepmeter Intermittent Alarm Clock; America Alarm Clock; The Lookout Alarm Clock; Ironclad Alarm Clock; Bingo Intermittent Alarm Clock; Boyproof Watch. Offices, La Salle, Ill.; Factories, Peru, Ill.; Pacific Coast Agents, Schloss Manufacturing Co., 42 Beale St., San Francisco, Cal.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Arequipa Pottery—Fairfax, Cal. Pottery. V. I., 1st St. bet. Avs. B & C.

Arnesen, Borghild—Los Angeles, Cal. Metal Works. V. I., 1st St. bet. Avs. B & C.

Athina, Florence E.—San Francisco, Cal. Ornaments. V. I., 1st St. bet. Avs. B & C.

Auserias, Louis F.—San Jose, Cal. Pottery. V. I., 1st St., cor. Avs. B & C.

Bailey, Henrietta D.—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.

Baskins, Agnes G.—Rochester, N. Y. Textiles. V. I., 1st St. bet. Avs. B & C.

Batemans, Ray V.—Berkeley, Cal. Porcelain. V. I., 1st St. bet. Avs. B & C.

Blanke, Esther—Chicago, Ill. Ornaments. V. I., 1st St. bet. Avs. B & C.

Blanchard Bros.—Ware, Mass. Flat Silver. V. I., 1st St. bet. Avs. B & C.

California Pottery Inc.—San Francisco, Cal. Pottery. V. I., 1st St. bet. Avs. B & C.

California Redwood Buri Co., Eureka, Cal. Pottery. V. I., 1st St. bet. Avs. B & C.

Copeland, Elizabeth—New York, Mass. Silver. V. I., 1st St. bet. Avs. B & C.

Coy, Mary M.—New York, N. Y. Textiles. V. I., 1st St. bet. Avs. B & C.

Coe, Paul E.—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.

Culp & F.—New York, N. Y. Pottery. V. I., 1st St. bet. Avs. B & C.

- Darling, Mrs. Adam**—San Francisco, Cal. Textiles. V. I., 1st St. bet. Aves. B & C.
- Elder, Paul & Co.**—San Francisco, Cal. Dedham Pottery. V. I., 1st St. bet. Aves. B & C.
- Elder, Paul & Co.**—San Francisco, Cal. Vases. Lib. Arts Pal., Av. D, cor. 2nd St.
- Elliott, Ellen Cort**—Stanford University, Cal. Textiles. V. I., 1st St. bet. Aves. B & C.
- Erb, Daisy E.**—Portland, Me. Designs in Metal. V. I., 2nd St. bet. Aves. B & C.
- Frasco, A. A.**—Chicago, Ill. Porcelains. V. I., 1st St. bet. Aves. B & C.
- Fulper Pottery Company, Flemington, N. J.** Art Pottery. V. I., 2nd St. bet. Aves. B & C.
- Gallozzi, Quintilio**—Boston, Mass. Leather. V. I., 1st St. bet. Aves. B & C.
- Gearhart, May**—Pasadena, Cal. Textiles. V. I., 1st St. bet. Aves. B & C.
- Gebelstein, George C.**—Boston, Mass. Metal Worker. V. I., 1st St. bet. Aves. B & C.
- Gorham Co., The, New York, N. Y.** Bronzes. 3rd St., Av. C & 4th St.
- Heise, Bertha H.**—S. Pasadena, Cal. Textiles. V. I., 1st St. bet. Aves. B & C.
- Hanna, Grace**—Berkeley, Cal. Silver Objects. V. I., 1st St. bet. Aves. B & C.
- Henderson, J. A.**—San Francisco, Cal. Porcelain. V. I., 1st St. bet. Aves. B & C.
- Henneman, Dorothy**—Chicago, Ill. Weavings. V. I., 1st St. bet. Aves. B & C.
- Herbert, Charles A.**—Chicago, Ill. Leather. V. I., 1st St. bet. Aves. B & C.
- Hoagland, Jane**—Brooklyn, N. Y. Pottery. V. I., 1st St. bet. Aves. B & C.
- Howard, Mabel**—Berkeley, Cal. Porcelain. V. I., 1st St. bet. Aves. B & C.
- Ingle, Elise**—Baltimore, Md. Leather. V. I., 1st St. bet. Aves. B & C.
- Jeffries, Anna Mae**—Brooklyn, N. Y. Textiles. V. I., 1st St. bet. Aves. B & C.
- Johannet, Ralph Helm**—Pacific Grove, Cal. Textiles. V. I., 1st St. bet. Aves. B & C.
- Johannet, Salome L.**—Pacific Grove, Cal. Textiles. V. I., 1st St. bet. Aves. B & C.
- Jones, Mary Bacon, East End**—Provincetown, Mass. Porcelains. V. I., 1st St. bet. Aves. B & C.
- Kerna, Fanny**—Los Angeles, Cal. Textiles. V. I., 1st St. bet. Aves. B & C.
- Kirchmayer, T. E.**—Cambridge, Mass. Wood-carving. V. I., 1st St. bet. Aves. B & C.
- Korn, Anna Tyler**—San Francisco, Cal. Porcelain. V. I., 1st St. bet. Aves. B & C.
- Le Blanc, M. de Hoa**—New Orleans, La. Pottery. V. I., 1st St. bet. Aves. B & C.
- Lippincott, Elizabeth**—Pasadena, Cal. Leather. V. I., 1st St. bet. Aves. B & C.
- Littlejohn, C.**—New Orleans, La. Pottery. V. I., 1st St. bet. Aves. B & C.
- Lucas, George F.**—San Francisco, Cal. Art Metal Ware. V. I., 3rd St., bet. Aves. B & C.
- Hertter Looms, The, New York, N. Y.** Tapestries. V. I., cor. Av. C & 3rd St.
- MacKinnon, Ella C.**—Orchard Park, Erie Co., N. Y. Pottery. V. I., 1st St. bet. Aves. B & C.
- Maine Handicraft Shop**—Portland, Me. Leather. V. I., 2d St. bet. Aves. B & C.
- Mason, A.**—New Orleans, La. Pottery. V. I., 1st St. bet. Aves. B & C.
- Mason, M. M.**—New York, N. Y. Porcelain. V. I., 1st St. bet. Aves. B & C.
- Maupas, J.**—New Orleans, La. Pottery. V. I., 1st St. bet. Aves. B & C.
- Mayer, Joseph T.**—New Orleans, La. Pottery. V. I., 1st St. bet. Aves. B & C.
- Mead, Mae**—New Orleans, La. Pottery. V. I., 1st St. bet. Aves. B & C.
- O'Haram, Dorothea Warren**—New York, N. Y. Porcelains. V. I., 1st St. bet. Aves. B & C.
- O'Hara, Mrs. Dorothea Warren, New York, N. Y.** Decorated Porcelains. V. I., Av. C, 1st St. & Av. B.
- Oregon City Mfg. Co., Oregon City, Ore.** Novelty Indian Blankets. Av. E and 3rd St.
- Peterson, Helga M.**—Chicago, Ill. Porcelain. V. I., 1st St. bet. Aves. B & C.
- Porter, Bernice I.**—Baltimore, Md. Basketry. V. I., 1st St. bet. Aves. B & C.
- Proine, S. A. E.**—New Orleans, La. Pottery. V. I., 1st St. bet. Aves. B & C.
- Revere, Paul, Pottery, The**—Boston, Mass. Pottery. V. I., 1st St. bet. Aves. B & C.
- Rice, Mary Selton**—Baltimore, Md. Silver Bowls. V. I., 1st St. bet. Aves. B & C.
- Robineau, Adelaide Alsop, Syracuse, N. Y.** Art Pottery. V. I., Av. B, 1st St., Av. C.
- Russian Peasant Handicraft Shop**—Pasadena, Cal. Textiles. V. I., 1st St. bet. Aves. B & C.
- Samish's Ceramic Art, San Francisco, Cal.** Art China. V. I., cor. 2nd St. & Av. B.
- Sheerer, A.**—New Orleans, La. Pottery. V. I., 1st St. bet. Aves. B & C.
- Smith's Ceramic Art Studio**—San Francisco, Cal. Art Porcelains. V. I., 3d St. bet. Aves. B & C.
- Swift, Winifred**—Orchard Park, Erie Co., N. Y. Pottery. V. I., 1st St. bet. Aves. B & C.
- Tile Shop**—Berkeley, Cal. Pottery. V. I., 1st St. bet. Aves. B & C.
- Tiffany Furnaces**—Corona, Long Island, N. Y. Designs in Glass. V. I., 4th St. & Av. C.
- Tiffany Studios**—New York, N. Y. Designs in Pottery. V. I., 4th St. & Av. C.
- Trautmann, George H.**—Chicago, Ill. Copper Lamp. V. I., 1st St. bet. Aves. B & C.
- Van Erp, Dirk**—San Francisco, Cal. Metal Work. V. I., 1st St. bet. Aves. B & C.
- Van Dyck Studio**—New York, N. Y. Pottery. V. I., 1st St. bet. Aves. B & C.
- Watson, Mrs. E. W.**—Brooklyn, N. Y. Textiles. V. I., 1st St. bet. Aves. B & C.
- Willits, Lola O.**—San Francisco, Cal. Porcelain. V. I., 1st St. bet. Aves. B & C.
- Wilson, Maud**—San Francisco, Cal. Porcelain. V. I., 1st St. bet. Aves. B & C.
- Winder, Alice Loyd**—Baltimore, Md. Metal Work. V. I., 1st St. bet. Aves. B & C.
- Wing, Marion Colt**—Palo Alto, Cal. Textiles. V. I., 1st St. bet. Aves. B & C.
- Wood, Dorothy**—Baltimore, Md. Metal Work. V. I., 1st St. bet. Aves. B & C.
- Woodruff, Bessie H.**—Yonkers, N. Y. Textiles. V. I., 1st St. bet. Aves. B & C.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON

- Gorham Co., The, New York, N. Y.** Bronzes. V. I. Pal., Av. C & 4th St.
- Plastic Art Studio**—San Francisco, Cal. Plastic Art. V. I., 2d St. bet. Aves. B & C.
- Vermont Marble Co., Proctor, Vt.** Works of Art in Marble. V. I. Pal., Av. E & 2nd St.

GROUP 51

LEADED, STAINED AND MOSAIC GLASS

- Gorham Co., The, New York, N. Y.** Cathedral Windows. V. I. Pal., 3rd St., Av. C & 4th St.
- Home Art Glass Works**—San Francisco, Cal. Art Glass. Ed. Fr. Pal., 6th St. bet. Aves. B & C.

GROUP 52

**BRUSHES, FINE LEATHER ARTICLES,
FANCY ARTICLES AND BASKET
WORK**

Arlington Company, The, Arlington, N. J. Mfrs. V. I. Av. B, cor. 3rd St. Brushes for toilet use. Combs, dressing and fine combs. Mirrors for toilet use. Toilet goods and fancy goods. Pyralin Lacquers and Enamels. Arlington waterproof collars and cuffs. Transparent Pyralin Sheeting. Opaque Pyralin Sheeting in all colors.

Baird-North Co., Providence, R. I. Leather Goods. (Prov. Coll.) V. I., 3rd St., Av. E & 4th St.

Basket Shop, The, San Francisco, Cal. Baskets. V. I., 2nd St., bet. Avs. B & C.

Basket Shop—Reefont, Pa. Baskets. V. I., 1st St. bet. Avs. B & C.

Biltmore Estate Industries—Biltmore, N. C. Fancy Articles. V. I., Av. A & 2d St.

Buchanan, Wm., San Francisco, Cal. Brushes. V. I. Pal., Av. A, cor. 3rd St.

Cal. Leather Novelty Wks., S. F., Cal. Purses & Leather Novelties. V. I. Pal., Av. A, cor. 3rd St.

California Redwood Burl Co., Eureka, Cal. Novelties in Burlwood. V. I. Pal., Av. B, cor. 3rd St.

Erb, Daisy E., Portland, Me. Fancy Articles & Basket Work. V. I. Pal., 2nd St., bet. Avs. B & C.

Firestone Industries Dept., The—Berea College, Berea, Ky. Baskets. V. I., 1st St. bet. Avs. B & C.

Florence Mfg. Co.—Florence, Mass. Brushes. V. I., Av. A, cor. 3rd St.

Fulper Pottery Co., Flemington, N. J. Fancy Articles. V. I. Pal., 2nd St., bet. Avs. B & C.

Gorham Co., The, New York, N. Y. Fine Leather Goods. V. I. Pal., 3rd St., Av. C & 4th St.

Hanlon-Goodman Co., New York City. Brushes. V. I. Pal., Av. A, cor. 4th St.

Hoggson & Pettis Mfg. Co.—New Haven, Conn. Marking Dies. V. I., Av. B & 2d St. (New Haven Collective)

Howard, S. E., & Sons Co., New York City. Toilet Brushes. V. I. Pal., Av. A, cor. 4th St.

Kahn, L. L., Pasadena, Cal. Calash Pipes. V. I. West Entrance No. 10.

Lamson, Kathleen E.—Windsor, Vt. Sewing Machines. V. I., 1st St. bet. Avs. B & C.

Prudential Art Co., New York, N. Y. Leather Goods. V. I. Pal., Av. B, cor. 1st St.

Rubenset Company, Newark, N. J. Brushes. V. I., 1st St. bet. Avs. A & B.

Williams, Charlotte—New York, N. Y. Leather Goods. V. I., 1st St. bet. Avs. B & C.

Wander Brush Co., The, Windsor, O. Brushes. V. I., 1st St. bet. Avs. B & C.

GROUP 53

**ARTICLES FOR TRAVELING AND FOR
CAMPING INDIA RUBBER AND
GUTTA PERCHA INDUSTRIES**

Fine: Eberhard, Eberhard, N. Y. Rubber Goods. V. I., 1st St. bet. Avs. B & C.

Forster Rubber Co., Boston, Mass. Rubber Goods. V. I., 1st St. bet. Avs. B & C.

Hoggson & Pettis Mfg. Co., The, New Haven, Conn. Marking Dies. V. I., Av. B & 2d St. (New Haven Collective)

Lawrence Chamber of Commerce, Lawrence, Mass. Rubber Goods. V. I., 1st St. bet. Avs. B & C.

Palmer, The I. E. Co., Middletown, Conn. Hammocks. V. I. Pal., 2nd St., bet. Avs. D & E.

Tower, A. J., Co., Boston, Mass. Waterproof Clothing. V. I. Pal., 3rd St., bet. Avs. D & E.

Tyer Rubber Co., Lawrence, Mass. Druggists' Rubber Sundries. (Lawrence Coll. Exh.) V. I. Pal., 2nd St., Av. A & 3rd St.

United States Rubber Co., San Francisco, Cal. Rubber Heels, etc. V. I., Av. A, cor. 3rd St.

Whitaker Mfg. Co., The, Chicago, Ill. Water Bags. V. I., Av. A & 3rd St.

GROUP 54

**HUNTING EQUIPMENT AND PRODUCTS
OF HUNTING**

American Thermos Bottle Co., Norwich, Conn. Thermos Bottles. V. I. Pal., cor. 1st St. & Av. C.

Burke Golf Company—Newark, Ohio. Golf Clubs. V. I., 5d St. bet. Avs. D & E.

Gantner & Mattern Co., San Francisco, Cal. Knit Goods. V. I. Pal., 4th St., cor. Av. E.

Guccione, D. J., New York, N. Y. Taxidermist's Work. V. I. Pal., 1st St., bet. Avs. C & D.

Liebes, H. & Co., S. F., Cal. Rough and prepared furs, skins. V. I. Pal., Av. D, cor. 3rd St.

Marble Arms & Mfg. Co., Gladstone, Mich. Hunting Goods. V. I. Pal., Av. A, cor. 3rd St.

Oregon City Mfg. Co., Oregon City, Ore. Hunting and Outdoor Apparel. V. I. Pal., Av. E, cor. 3rd St.

Pfister, J. J., Knitting Co., San Francisco, Cal. Knit Goods. Knit goods in Silk, Wool and Cotton, comprising Sweaters, Jerseys, Coat Sweaters, Gymnasium and Athletic Goods, Bathing Suits and Accessories, Infants' Hoods and Toques. Salesroom, 114 Sansome St., corner of Bush St. Mill at 5th and Parker Sts., Berkeley, Cal. Av. D, cor. 3rd St.

Winona Mills, New Haven, Conn. Sweaters. New Haven Coll. Exh. V. I. Pal., Av. B & 2nd St.

GROUP 55

FISHING EQUIPMENT AND PRODUCTS

Ashaway Line & Twine Mfg. Co., Ashaway, R. I. Twined and Braided Silk, Cotton and Linen Fishing Lines. V. I. Pal., 3rd St., Av. E & 4th St.

Oregon City Mfg. Co., Oregon City, Ore. Fishing Tackle. V. I. Pal., Av. E, cor. 3rd St.

GROUP 56

TOYS

Myrtle Mfg. Co., The, New Haven, Conn. Me. V. I., 1st St. bet. Avs. B & C.

New Haven Mfg. Co., The, New Haven, Conn. Toys. V. I., 1st St. bet. Avs. B & C.

GROUP 57

**PERMANENT ORNAMENTAL AND FIXED
FURNITURE FOR BUILDINGS AND
Dwellings**

Ranger Co., The, New York City. Advertising Signs. V. I., 1st St. bet. Avs. B & C.

City of Paris Dry Goods Co., San Francisco, Cal. Dry Goods. V. I. Pal., cor. 1st St. & Av. C.

Fulper Pottery Co., Flemington, N. J. Ceramics for permanent decoration. V. I. Pal., 2nd St., bet. Avs. B & C.

Gorham Co., The, New York, N. Y. Architectural Bronze. V. I. Pal., 3rd St., Av. C & 4th St.

Holt, Chas. L., Lawrence, Mass. Roof Connection & Expansion Joint. (Lawrence Coll. Exh.) V. I. Pal., 2nd St., Av. A & 3rd St.

Kawneer Mfg. Co.—Niles, Mich. Patented Store Fronts. V. I., Av. C & 1st St.

Lawrence Chamber of Commerce, Lawrence, Mass. Coll. Ex. V. I., 2nd St., Av. A & 3rd St.

Los Angeles Pressed Brick Co., Los Angeles, Cal. Clay Products. V. I. Pal., 2nd St., bet. Avs. B & C.

Loutholt, Max & Co.—San Francisco, Cal. Architectural Wrought Iron. V. I., 2d St., bet. Avs. B & C.

National Terra Cotta Society, San Francisco, Cal. Terra Cotta. V. I. Pal., Av. C, cor. 4th St.

Vermont Marble Co., Proctor, Vt. Marble material for all purposes. V. I. Pal., Av. E & 2nd St.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

Basket Shop, The, San Francisco, Cal. Chairs. V. I., 2nd St., bet. Avs. B & C.

Beach-Robinson Co., The—San Francisco, Cal. Furniture. V. I., 3rd St., bet. Avs. B & C.

Biltmore Estate Industries—Baltimore, N. C. Furniture. V. I., Av. A & 2d St.

Crystal Washing Machine Co., Detroit, Mich. Washing Machines. V. I., Av. D & 3rd St.

Eureka Vacuum Cleaner Co., Detroit, Mich. Vacuum Cleaners. V. I., Av. D & 3rd St.

Eureka Vacuum Cleaner Co.—Detroit, Mich. Vacuum Cleaners. V. I., Av. D & 3d St.

Goldberg Display Fixtures, New York, N. Y. Display Fixtures. V. I. Pal., Av. A, cor. 4th St.

Herschede Hall Clock Co., The, Cincinnati, Ohio. Hall and Mantel Clock Cases. V. I., 3rd St., bet. Avs. B & C.

Marsh, Louis, San Francisco, Cal. Furniture. V. I., Av. E & 4th St.

Multiplex Display Fixture Co., The, St. Louis, Mo. Display Fixtures. V. I. Pal., Av. A, cor. 3rd St.

Singer Sewing Machine Co., New York, N. Y. Household Furniture. 1st St., Av. D, 2nd St. & Av. E. V. I. Pal., Sewing Machines and Supplies.

Sonnenschein Bros., San Francisco, Cal. Furniture. V. I., 1st St., bet. Avs. C & D.

United Electric Co., The, New York, N. Y. Vacuum Cleaners, Stationary Vacuum Cleaners. V. I. Pal., Av. D, 2nd & 3rd St.

Vacuna Company, The, New York, N. Y. Vacuum Cleaners. V. I., 2d St. & Av. E.

GROUP 59

MORTUARY MONUMENTS AND UNDERTAKERS' FURNISHINGS

Vermont Marble Co., San Francisco, Cal. Marble Monuments and Mausoleums. V. I. Pal., Av. E, 2nd.

GROUP 60

HARDWARE AND WOODENWARE

American Tap & Die Co., Greenfield, Mass. Taps, Dies, etc. V. I., Av. A, cor. 3rd St.

Ansonia Electrical Co., Ansonia, Conn. Bells, Buzzers, etc. V. I. Pal., Av. A, cor. 3rd St.

Ashaway Line & Twine Mfg. Co., Providence, R. I. (Prov. Coll.) V. I., 3rd St., Av. E & 4th St.

Barnes Tool Co., The, New Haven, Conn. Pipe Cutters. V. I., Av. B & 2nd St. (New Haven Coll.)

Bridgeport Hardware Mfg. Cor., Bridgeport, Conn. Builders' Hardware. V. I. Pal., Av. A, cor. 3rd St.

Buckeye Twist Drill Co., The, Alliance, Ohio. Drill Reamers. V. I. Pal., Av. A, cor. 3rd St.

Buffalo Wire Works Co.—Buffalo, N. Y. Wire Cloth. V. I., Av. A & 3d St.

Chicago Spring Butt Co., Chicago, Ill. Spring Hinges. V. I. Pal., Av. A, cor. 3rd St.

Cincinnati Fly Screen Co., Cincinnati, O. Fly Screens. V. I., Av. A, cor. 4th St.

Cook Co., The H. C., Ansonia, Conn. Sheet Metal Productions. V. I. Pal., Av. A, cor. 3rd St.

Crandall Bros., North Kingsville, O. Wooden Faucets. V. I., Av. A, cor. 4th St.

Crescent Tool Co., Jamestown, N. Y. Pliers & Wrenches. (See Multiplex Display Fixtures.) V. I. Pal., Av. A, cor. 3rd St.

Dahl Mfg. Company, New York, N. Y. Rules. V. I. Pal., Av. A, cor. 3rd St.

Delta File Works, Philadelphia, Pa. Files & Rasps. V. I. Pal., Av. A, cor. 3rd St.

Detroit Twist Drill Co., Detroit, Mich. Builders' Hardware. V. I. Pal., Av. A, cor. 3rd St.

Faultless Caster Co., Evansville, Ind. Casters. V. I., Av. A, cor. 3rd St.

Ford Key Pilot Co., Lawrence, Mass. Key Pilot Rings. V. I., 2nd st., Av. A & 3rd St. (Lawrence Coll. Ex.)

Fraim, The E. T., Co., Lancaster, Pa. Padlocks. V. I. Pal., Av. A, cor. 3rd St.

Germantown Tool Works, Philadelphia, Pa. Hammers, Hatchets, Axes, etc. V. I. Pal., Av. A, cor. 3rd St.

Heller Brothers Co., Newark, N. J. Brass Files, Files and Rasps, Farriers' and Blacksmith Tools. V. I. Pal., Av. A, cor. 3rd St.

Hutchins & Hall, San Francisco, Cal. Gold Beating. V. I. Pal., Av. B, bet. 3rd & 4th Sts.

Ives, The, H. B. Co., New Haven, Conn. Door Fasteners. V. I., Av. A, cor. 3rd St.

Johnson, E. P., Rule Mfg. Co., Chicago, Ill. Computing Pocket Rules. V. I., Av. A & 3rd St.

Lawrence Chamber of Commerce, Lawrence, Mass. Coll. Ex. V. I., 2nd St., Av. A & 3rd St.

Liveright Bros., Philadelphia, Pa. Builders' Hardware. V. I. Pal., Av. A, cor. 3rd St.

Malleable Iron Fitting Co., Bradford, Conn. Pipe Fittings, Castings, Marine Hardware. (New Haven Coll. Exh.) V. I. Pal., Av. B & 2nd St.

Marwedel, C. W., San Francisco, Cal. Machinists' Tools. V. I., Av. A, cor. 3rd St.

Moore Drop Forging Co., Springfield, Mass. Pipe Wrenches, etc. V. I., Av. A, cor. 3rd St.

New Haven Manufacturers' Exhibit, Inc., New Haven, Conn. Coll. Ex. V. I., Av. B & 2nd St.

New Process Twist Drill Co., Taunton, Mass. New York Stamping Co.—Brooklyn, N. Y. Cooking Utensils. V. I., Av. A, cor. 3d St.

Twist Drills, V. I., Av. A, cor. 3rd St.

Niagara Falls Metal Stamping Works, Niagara Falls, N. Y. Metal Products. V. I., Av. A, cor. 3rd St.

Page-Storms Drop Forge Co., Chicopee, Mass. Drop Forgings. V. I. Pal., Av. A, cor. 3rd St.

Parker Wire Goods Co., Worcester, Mass. Hardware. V. I., Av. A, cor. 3rd St.
 Perkins, E. I., Horse Shoe Co.—Providence, R. I. V. I., 3rd St., Av. E & 4th St. (Providence Collective.)
 Robertson, Arthur K., Boston, Mass. Hammers. V. I., Av. A, cor. 3rd St.
 Sargent & Company, New Haven, Conn. Builders' Hardware, Mechanics' Tools, Hardware Specialties. V. I. (New Haven Collective Exhibit), Av. B & 2nd St.
 Smith & Heminway Co., Inc., New York, N. Y. Carpenters' Tools. V. I., Av. A, cor. 3rd St.
 Swan Co., The James, Seymour, Conn. Augers, Auger Bits, etc. V. I. Pal., Av. A, cor. 3rd St.
 Utica Drop Forge & Tool Co., Utica, N. Y. Nippers. V. I. Pal., Av. A, cor. 3rd St.
 Vaughan & Bushnell Manufacturing Co., Chicago, Ill. Builders' Hardware. V. I. Pal., Av. A, cor. 3rd St.
 Watrous-Acme Mfg. Co., Des Moines, Ia. Fittings for doors, etc. V. I. Pal., Av. A, cor. 2nd St.
 Whitaker Mfg. Co., The, Chicago, Ill. Tools and Chains. V. I., Av. A & 3rd St.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS
FOR UPHOLSTERY

Basket Shop—Beelefont, Pa. Rugs. V. I., 1st St. bet. Avs. B & C.
 Clapp, Carrie E.—Montague, Mass. Rugs. V. I., 1st St. bet. Avs. B & C.
 Lawrence Chamber of Commerce, Lawrence, Mass. Coll. Ex. V. I., 2nd St., Av. A & 3rd St.
 Plymouth Mfg. Co., Lawrence, Mass. Rugs. (Lawrence Coll. Exh.) V. I. Pal., 2nd St., Av. A & 3rd St.
 R. O. L. Matting Co., Methen, Mass. Sanitary Mats. V. I., 2nd St., Av. A & 3rd St. (Lawrence Coll. Ex.)
 Standard Oil Cloth Co., Inc., The, New York, N. Y. Oil Cloth, etc. V. I., Av. A, cor. 4th St.

GROUP 65

UPHOLSTERERS' DECORATIONS

Beach-Robinson Co.—San Francisco, Cal. Interior Decoration. V. I., 3rd St. bet. Avs. B & C.
 Bigley Lace & Curtain Co., St. Louis, Mo. Curtains. V. I., 3rd St. bet. Avs. C & D.
 California Cotton Mills Co., Oakland, Cal. Comforters. V. I. Pal., Av. E, cor. 2nd St.
 Foster, F. A., Inc., New York City. Art Draperies. V. I. Pal., Av. A, cor. 4th St.
 Gudeman & Company, New York, N. Y. Artificial Flower Baskets. V. I., west end, No. 10.
 Helgesen, N. R., San Francisco, Cal. Picture Frames. V. I., Av. E.
 Hester Looms The, New York, N. Y. Tapestries. V. I., cor. Av. C & 3rd St.
 Oregon City Mfg. Co., Oregon City, Ore. Woolen Bed Baskets, etc. V. I. Pal., Av. F, cor. 3rd St.
 Prudential Art Co., New York, N. Y. Picture Frames. V. I. Pal., Av. E, cor. 1st St.
 Sanborn Vail & Co., San Francisco, Cal. Hand-carved Frames. V. I. Pal., Av. A, cor. 3rd St.
 Sannenschein Bros., San Francisco, Cal. Interior Decorations. V. I., 1st St. bet. Avs. C & D.
 Williams, Miss Charlotte F., San Francisco, Cal. Picture Frames, etc. V. I., 1st St. bet. Avs. B & C.

GROUP 66

CERAMICS

California Pottery Co.—San Francisco, Cal. Pottery. Fd. Pr. Pal., 6th St., bet. Avs. B & C.
 Arequipa Pottery—Fairfax, Cal. Pottery. V. I., 1st St. bet. Avs. B & C.
 Ausarias, Louis F.—San Jose, Cal. Pottery. V. I., 1st St. bet. Avs. B & C.
 Bailey, Henrietta D.—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.
 Cox, Paul E.—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.
 Culp, S. V.—Berkeley, Cal. Porcelain. V. I., 1st St. bet. Avs. B & C.
 Elder, Paul & Co.—San Francisco, Cal. Pottery. V. I., 1st St. bet. Avs. B & C.
 Erb, Daisy E., Portland, Me. Ceramics. V. I. Pal., 2nd St., bet. Avs. B & C.
 Frazee, A. A.—Chicago, Ill. Porcelains. V. I., 1st St. bet. Avs. B & C.
 Friction Transfer Pattern Co., The, W. Y. Friction Transfer Patterns for China. V. I. Pal., 2nd St., bet. Avs. C & D.
 Fulper Pottery Co., Flemington, N. J. Stoneware, plain and decorated. V. I. Pal., 2nd St., bet. Avs. B & C.
 Henderson, J. A.—San Francisco, Cal. Porcelain. V. I., 1st St. bet. Avs. B & C.
 Hoagland, Jane—Brooklyn, N. Y. Pottery. V. I., 1st St. bet. Avs. B & C.
 Howard, Mabel—Berkeley, Cal. Porcelain. V. I., 1st St. bet. Avs. B & C.
 Jones, Mary Bacon, East End—Provincetown, Mass. Porcelains. V. I., 1st St. bet. Avs. B & C.
 Korn, Anna Tyler—San Francisco, Cal. Porcelain. V. I., 1st St. bet. Avs. B & C.
 Le Blanc, M. de Hon—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.
 Littlejohn, C.—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.
 Los Angeles Pressed Brick Co., Los Angeles, Cal. Clay Products. V. I. Pal., 2nd St., bet. Avs. B & C.
 Lucas, Geo. F., San Francisco, Cal. China. V. I., 3rd St., bet. Avs. B & C.
 MacKinnon, Ella C.—Orchard Park, Erie Co., N. Y. Pottery. V. I., 1st St. bet. Avs. B & C.
 Mason, A.—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.
 Mason, M. M.—New York, N. Y. Decoration. V. I., 1st St. bet. Avs. B & C.
 Mauras, J.—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.
 Meyer, Joseph T.—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.
 Morel, Mae—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.
 O'Hara, Dorothea Warren—New York, N. Y. Porcelains. V. I., 1st St. bet. Avs. B & C.
 Peterson, Helga M.—Chicago, Ill. Porcelain. V. I., 1st St. bet. Avs. B & C.
 Froine, S. A. E.—New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.
 Revere, Paul, Pottery, The—Boston, Mass. Pottery. V. I., 1st St. bet. Avs. B & C.
 Robineau, Adelaide Alsop, Syracuse, N. Y. Art Pottery. V. I. Pal., Av. B, 1st St. bet. Avs. B & C.
 Samish's Ceramic Art, San Francisco, Cal. Hand-painted China. V. I. Pal., 2nd St., Av. B. Decor. ware, lamps, portraits, manikins. Sundry 220 Stockton St., opp. Union Square.
 Sheerer, A. New Orleans, La. Pottery. V. I., 1st St. bet. Avs. B & C.

Smith's Ceramic Art Studio—San Francisco, Cal. Ceramics. V. I., 3rd St. bet. Aves. B & C.

Swift, Winifred—Orchard Park, Erie Co., N. Y. Pottery. V. I., 1st St. bet. Aves. B & C.

Tiffany Studios—New York, N. Y. Art Pottery. V. I., 4th St. & Av. C.

Tile Shop, The—Berkeley, Cal. Pottery. V. I., 1st St. bet. Aves. B & C.

Willits, Lola O.—San Francisco, Cal. Porcelain. V. I., 1st St. bet. Aves. B & C.

Wilson, Maud—San Francisco, Cal. Porcelain Decoration. V. I., 1st St. bet. Aves. B & C.

Van Dyck Studio, The—New York, N. Y. Pottery. V. I., 1st St. bet. Aves. B & C.

GROUP 67

PLUMBING AND SANITARY MATERIALS

Allen, L. B., Co., Inc., Chicago, Ill. Soldering fluxes for all soldering; any metal. Four forms: Stick, paste, salts, liquid. V. I. Pal., Av. A, cor. 3rd St.

Barnes Tool Co., The, New Haven, Conn. Pipe Cutters. V. I., Av. B & 2nd St. (New Haven Coll.)

Emery, William S.—New York, N. Y. Sanitary Self Raising Water Closet Seat. V. I., Av. A, cor. 4th St.

Haydenville Co., The, Haydenville, Mass. Plumbers' Supplies. V. I., Av. A, cor. 4th St.

Malleable Iron Fittings Co., New Haven, Conn. Pipe Fittings. V. I. Pal., Av. B & 2nd St. (New Haven Coll. Exh.)

New Haven Mfrs.' Exhibit, Inc., New Haven, Conn. Coll. Ex. V. I., Av. B & 2nd St.

Peck Bros. & Co., The, New Haven, Conn. Plumbers' Supplies. (New Haven Coll. Exhibit.) Av. B & 2nd St.

Pure Sanitary Drinking Fountain Co., Haydenville, Mass. Drinking Fountains. V. I., Av. A, cor. 4th St.

GROUP 68

GLASS AND CRYSTAL

International Silver Co., Meriden, Conn. Sterling Silver, Gold and Silver Plate and Cut Glass. V. I. Pal., 4th St. bet. Aves. B & C. Salesrooms: New York, Chicago, and San Francisco, 150 Post St.

Schloss Mfg. Co., San Francisco, Cal. Golden State Mason Jars. V. I. Pal., 3rd St. bet. Av. B & C.

Tiffany Furnaces—Corona, Long Island, N. Y. Art Glass Ware. V. I., 4th St. & Av. C.

Tuthill Out Glass Co.—Middletown, N. Y. Cut and Engraved Glass. V. I., 4th St. & Av. C.

Wilhelm & Decsenyi, New York, N. Y. Ornamental Glass. V. I. Pal., cor. 2nd St. & Av. B.

GROUP 69

APPARATUS AND PROCESSES FOR HEATING AND VENTILATION

Biltmore Estate Industries—Biltmore, N. C. Bellows. V. I., Av. A & 2d St.

Fulper Pottery Co., Flemington, N. J. Cooking Utensils, Earthenware. V. I. Pal., Aves. B & C.

Malleable Iron Fittings Co., Bradford, Conn. Pipe Fittings. V. I., Av. B & 2nd St. (New Haven Coll.)

New Haven Mfrs.' Exhibit, Inc., New Haven, Conn. Coll. Ex. V. I., Av. B & 2nd St.

Regal Silver Mfg. Co., The, New Haven, Conn. Percolators. V. I., Av. B & 2nd St. (New Haven Coll.)

Central Mfg. Co., The, New Haven, Conn. Cook Stoves. V. I., Av. B & 2nd St. (New Haven Coll.)

GROUP 70

MANUFACTURE, DISTRIBUTION AND USES OF GAS FOR LIGHT AND FUEL

Barnes Tool Co., The, New Haven, Conn. Pipe Cutters. V. I., Ave. B & 2nd St. (New Haven Coll.)

GROUP 71

APPARATUS AND METHODS FOR LIGHTING, NOT OTHERWISE CLASSIFIED

Fulper Pottery Co., Flemington, N. J. Lamps. V. I., 2nd St. bet. Aves. B & C.

Mantle Lamp Co., The, Chicago, Ill. Kerosene Lamps. V. I., 2nd St. bet. Aves. B & C.

GROUP 72

TEXTILE MATERIALS, SPINNING AND ROPE MAKING

Brown, The David Co., Lawrence, Mass. Bobbins. V. I., 2nd St., Av. A & 3rd St. (Lawrence Coll. Exh.)

Lawrence Chamber of Commerce, Lawrence, Mass. Coll. Ex. V. I., 2nd St., Ave. A & 3rd St.

Moorehouse, A. D., Lawrence, Mass. Picker Straps. (Lawrence Coll. Exh.) V. I. Pal., 2nd St., Av. A & 3rd St.

Robinson Bramley Co., Lawrence, Mass. Loom Pickers, etc. (Lawrence Coll. Exh.) V. I. Pal., 2nd, Av. A & 3rd.

Union Shuttle Co., Lawrence, Mass. Power Loom Shuttles. (Lawrence Coll. Exh.) V. I. Pal., 2nd St., Av. A & 3rd St.

GROUP 74

EQUIPMENT AND PROCESSES USED IN BLEACHING, DYEING, PRINTING AND FINISHING TEXTILES IN THEIR VARIOUS STAGES

Botany Worsted Mills, Passaic, N. J. Worsted & Woolens. V. I., 2nd St. bet. Aves. D & E. Specimens of textile materials bleached or dyed before spinning. Specimens of threads or yarns of cotton, linen, wool, silk, etc., pure or mixed, bleached, dyed or mottled. Specimens of textile fabrics bleached, dyed or printed.

Forsyth Dyeing Co., The, New Haven, Conn. Dyed Cotton Material. (New Haven Coll. Exh.) V. I. Pal., Av. B & 2nd St.

Singer Sewing Machine Co., New York, N. Y. Sewing Machines for attaching marking tapes to articles to be laundered and for name writing and darning on towels and other articles. V. I. Pal., 1st St., Av. D, 2nd St. & Av. E.

New Haven Mfrs.' Exhibit, Inc., New Haven, Conn. Collective Exhibit. V. I., Ave. B & 2nd St.

GROUP 75

EQUIPMENT AND PROCESSES USED IN SEWING AND MAKING WEARING APPAREL

Ellanam Adjustable Dress Form Co., The, New York, N. Y. "Acme" Collapsible Form. V. I. Pal., 2nd St. bet. Aves. C & D.

Friction Transfer Pattern Company, The, New York, N. Y. Implements for Needlework. V. I. Pal., 2nd St. bet. Aves. C & D.

Graetig Mfg. Co., The, New Haven, Conn. Sewing Machine Attachments. (New Haven Coll. Exh.) V. I. Pal., Av. B & 2nd St.

- Gorham Co., The—New York, N. Y. Canes and Umbrellas. V. I., 3d St., Av. C & 4th St.
- Heinemann, H. M. Sons, San Francisco, Cal. Cravats and Neckties. V. I., Av. D, cor. 2nd St.
- Ideal Linen Mesh Co., Poughkeepsie, N. Y. Underwear. V. I., 4th St., cor. Ave. D2.
- J. & J. Cash, Limited, So. Norwalk, Conn. Neckwear. V. I., Av. A, cor. 4th St.
- Live Leather Belt Company, New York, N. Y. Leather Belts. V. I., Av. A, cor. 4th St. V. I., 2nd St. & Av. A.
- Mallory, E. A. & Sons, Inc., Danbury, Conn. Hats. V. I., Av. D2 & 4th St.
- Leather Belts. V. I., Ave. A, cor. 4th St.
- Model Brassiere Co., New York City. Brassieres. V. I., Av. A, cor. 4th St.
- Newman, I. & Sons, New Haven, Conn. Corsets. (New Haven Coll. Exh.) V. I., Av. B & 2nd.
- New Haven Manufacturers' Exhibit, Inc., New Haven, Conn. Collective Exhibit. V. I., Av. B & 2nd St.
- Niagara Silk Mills, No. Tonawanda, N. Y. Silk Underwear. V. I., 1st St., Av. D & 2nd St.
- Oregon City Mfg. Co., Oregon City, Ore. Clothing for hunting & outdoor use. V. I., Av. E & 3rd St.
- Phoenix Knitting Works, Milwaukee, Wis. Hosiery. V. I., 4th St., cor. Ave. D2.
- Pfister, J. J. Knitting Co., Inc., Berkeley, Cal. Knit goods in cotton, wool & silk. V. I., Av. D, cor. 3rd.
- Fuld & Hatch Knitting Co.—Albany, N. Y. Union Suits. V. I., 3d St. & Av. D.
- Stewarts, San Francisco, Cal. Buttons. V. I., Ave. A, cor. 3rd St.
- Strouse, Adler & Co., New Haven, Conn. Corsets. (New Haven Coll. Exh.) V. I., Av. B & 2nd.
- United Lace & Braid Mfg. Co., Auburn, Providence, E. I. Collective Exh. V. I., 3rd St., Av. E & 4th St.
- Walford, H. & Company, San Francisco, Cal. Feather Novelties. V. I., Ave. D2 & 1st St.
- Winona Mills, New Haven, Conn. Knit Goods. (New Haven Coll. Exh.) V. I., Av. B & 2nd St.

STATES EXHIBITS

CALIFORNIA

V. I., 2nd St. & Av. A

GROUP 45

CUTLERY

Barr Bros., Inc.—Oakland. Cutlery.

GROUP 47

JEWELRY

Miller, I.—Oakland. Hand Wrought Jewelry.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR
ORNAMENTAL DESIGN THAN FOR
THEIR UTILITYCopper Shop, The, Oakland, Cal. Hand ham-
mered copper.Miller, I.—Oakland. Art Craft in Metals.
Miller, M. Alvera—Oakland. Decorated China.
Vinther & Jorgensen, Oakland, Cal. Hand-
painted China.

GROUP 57

PERMANENT DECORATION AND FIXED
FURNITURE FOR BUILDINGS AND
DWELLINGSPeerless Built-in Specialty Co.—Berkeley.
Ironing Board and Seat.
Standard Fence Co.—Oakland, Cal. Fence
Construction and Gate Arches.

GROUP 58.

OFFICE AND HOUSEHOLD FURNITURE
AND UTILITIES

Creswold, J. H., Oakland. Dishwasher.

GROUP 60

HARDWARE AND WOODENWARE

Burnett, J. H., Iron Works, Inc.—Fresno, Cal.
Bolts.
Standard Fence Co.—Oakland, Cal. Wire and
Iron Works; Fence Construction and Gate
Arches.

GROUP 61.

ELECTRO-THERMAL APPARATUS

Hot Point Electric Co., San Bernardino.
Electrical Appliances.

GROUP 63

UPHOLSTERERS' DECORATIONS

Pacific Shade Cloth Co., Oakland. Shade
Cloth. V. I., 2nd St. & Av. A. Hand-
made shade cloths. The best only; opaque,
duplex, triplex or light-proof; transparent
or tint. Made in oil colors.
Rabine Bros.—Oakland. Hand Modeled and
Carved Frames.
Top Light Shade Co.—Oakland. Adjustable
Window Shade.

GROUP 66

CERAMICS

Bower, J. A. Pottery Co., Los Angeles, Cal.
Pottery & Earthenware.Miller, M. Alvera—Oakland. Decorated
China.Vinther & Jorgensen, Oakland, Cal. Hand-
painted China.

GROUP 75

EQUIPMENT AND PROCESSES USED IN
SEWING AND MAKING WEARING
APPARELBarr Brothers Co., Oakland, Alameda Co., Cal.
Needles.Cox, C. E., Berkeley, Alameda Co., Cal. Iron-
ing Board.Mills, M. D. E., Oakland, Alameda Co., Cal.
Ironing Board. V. I., 2nd St. & Av. A.
Silk Culture Society, Eutherford, Napa Co.,
Cal. Silks. 2nd St., Av. A.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP,
ETC.; CORDAGEPratt, W. E.—Berkeley. "Gotta Clothes
Line."Pridham, E. W. Co., Oakland. Fiber Pack-
ing Cases.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Stevens, Mrs. Jennie E.—Ben Lomond. Em-
broidered Picture.Walker, The Misses—San Jose. Embroidered
Pictures.

GROUP 82

FURS AND SKINS, FUR CLOTHING;
LEATHER, BOOTS AND SHOESCahn, Nickelsburg & Co., Oakland, Cal. Boots
and Shoes.Sawyer Tanning Company—Napa. Tanned
Leather.

GROUP 83

VARIOUS INDUSTRIES CONNECTED
WITH CLOTHING

Barr Bros. Co., Inc.—Oakland. Needles.

Cameron Shirt Co., Napa. Shirts.

Cawston Ostrich Farm, San Francisco. O-
strich Feathers.

Agr. Pal., Avs. B & C, bet. 7th & 8th Sts.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP,
ETC.; CORDAGE

Schlichten Ramie Co., Pasadena. Ramie, etc.

Min. Pal., 5th St. bet. Avs. B & C

GROUP 84

SAFETY APPLIANCES

Mechanics' Stationary Stage Co.—San Fran-
cisco. Model Stage for Painting Homes.

ALAMEDA COUNTY

The following are in Block 8, Machinery:

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE

Rahdorf's Wicker Store, Santa Clara County.
Wicker Furniture.
The Zimmer Vacuum Cleaner Co., 536 13th St.,
Oakland. Vacuum Cleaner.

GROUP 60

APPARATUS AND PROCESSES FOR HEATING AND VENTILATION

Graham, James, Manufacturing Co.—Newark.
Gas, Coal and Wood Ranges.
Witt, G. E., Co., Inc.—San Francisco. Range
Burners.

GROUP 70

MANUFACTURE, DISTRIBUTION AND
USES OF GAS FOR LIGHT
AND FUEL

Graham, James, Manufacturing Co.—Newark.
Gas Ranges.
Sweet, George—Oakland. Gas Furnaces.

INDIANA

COLLECTIVE EXHIBIT

V. I., 1st St., bet. Aves. B & C

GROUP 47

JEWELRY

Blackledge, Mrs. Mary E., Indianapolis. Abalony necklace—original design; necklace in copper, necklace, maple design, stick pin.
Bowles, Janet Payne, Indianapolis. Breastpin, jewelry, necklace, pendant, metal work necklace.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR
ORNAMENTAL DESIGN THAN FOR
THEIR UTILITY

Hadley, Alice Ross—Indianapolis. Art Pottery and Porcelains.
Hibben, Miss Helene L.—Indianapolis. Art Tiles.
O'Neill, Laura H.—Indianapolis. Art Pottery and Porcelains.
Orndorff, Mrs. J. H.—Indianapolis. Art Pottery and Porcelains.
Overbeck, The Misses, Cambridge City, Ind. Pottery. V. I. Pal., 1st St., bet. Aves. B & C. "Overbeck Pottery." Hand-built and wheel-made in original designs.
Ruby, Edna Browning—La Fayette. Designs for Textiles.
Shover, Edna, Indianapolis. Two Art Glass Window Designs. V. I. 1st St., bet. Aves. B & C.
Sparks, Mrs. Mollie—Vincennes. Art Pottery and Porcelains.
Stoddard, Mrs. B. W.—Indianapolis. Art Porcelains.
Thatcher, Miss Anna—Lipton. Art Porcelain.
Tompkins, Mrs. A. W.—Indianapolis. Art Pottery.
Welch, Mrs. Sarah E.—Indianapolis. Art Pottery.
Wilcox, Mrs. O. C.—Indianapolis. Art Pottery and Porcelains.
Williams, Miss Clare—Indianapolis. Art Porcelain.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE,
BRONZE, CAST IRON AND
WROUGHT IRON

Goodwin, Miss Frances, Newcastle. 1 plaster cast. Bust—Rev. Stanley.
Sorenson, Clara B. Leonard, Indianapolis. Bas relief in plaster, Bubble Baby, Ready for the Bath, The Little Whistler, Dances.
Francescoda Runini, Portrait Sketch, This Little Pig Went to Market.
Washburn, Miss Mary, Bensenville. Statuette—Philip Paul, The Belgian Refugee, Flowers, Consolation.

GROUP 51

LEADED, STAINED AND MOSAIC GLASS
Ruby, Miss Edna Browning—La Fayette. Art Glass Doors.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES,
FANCY ARTICLES AND BASKET
WORK

Bowles, Janet Payne, Indianapolis. Jewelry box.
Carey, Miss Eleanor, Indianapolis. Decorated sewing basket.
Longcliff Hospital, Logansport. 4 Raffle baskets, reed basket.
Murphy, Minnie Coffin, Indianapolis. Serving tray.
Robinson, Susan, Peru. 5 spool case boxes.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS
FOR UPHOLSTERY

Shover, Lucy, Indianapolis, Ind. One rug design.

GROUP 66

CERAMICS

Hadley, Mrs. Alice Ross, Indianapolis. Vase, plate and bowl.
Hibben, Miss Helen L., Indianapolis. Art Tiles.
O'Neill, Mrs. Laura H., Indianapolis. Pitcher, plate, hot water pot, cup and saucer, jardiniere, pitcher and 6 cups.
Orndorff, Mrs. J. H., Indianapolis.

cup and saucer, service plates, cup and saucer.
Overbeck Sisters' Studio, Cambridge City. Decorated tiles, fern dishes, tea set.
Sparks, Mrs. Mollie, Valparaiso. Hexagonal vases, fruit plate, rose jar, sachet vase, square vase, bowl.
Stoddard, Mrs. W. H., 2315 Bellefontaine, Indianapolis. Bowl, 6 cups, pudding set 14 pieces, bowl with 6 plates, tea pot, 6 cups and saucers, 6 plates, bowl, 2 bowls.
Stoddard, Mrs. B. W., Indianapolis. Bowl, 6 cups, pudding set—14 pieces, bowl with 6 plates, tea pot, 6 cups and saucers, 6 plates, bowl, 2 bowls.
Thatcher, Miss Anna—Tipton. Satsuma Bowl. (Cherry Blossom Design).
Tompkins, Mrs. A. W., 2717 N. New Jersey, Indianapolis. 6 cups and saucers, 1 stein, 1 jar, bowl and 4 plates, 1 cup and saucer, pitcher.
Welch, Mrs. Sarah E., 2339 Broadway, Indianapolis. Chocolate set, pitcher, 6 cups and saucers, tea set 3 pieces.
Wilcox, Mrs. O. C., 2717 N. New Jersey, Indianapolis. 6 cups and saucers, 1 stein, 1 jar, bowl and 4 plates, 1 cup and saucer, pitcher.
Williams, Miss Clara, 2524 N. Illinois St., Indianapolis. 1 service plate.

GROUP 30

LACES, EMBROIDERY AND TRIMMINGS

Alfred, Miss Mary, Burrows, Ind. Tatted doily.
Anderson, Miss Marion, Bedford. Two handsome collars, 3 handkerchiefs.
Armstrong, Ida & Ora, Bedford. Tatting luncheon set, 13 pcs.; waist yoke, tatting; 10-point doily, tencerliffe lace collar.
Augsburger, Olive M., Woodburn. Embroidered doily.
Baker, Mrs. T. E., Indianapolis. Baby quilt, cross-stitch design.
Berryman, Mrs. W. L., Tipton. Centrepiece tinting and embroidered on net, child's point-lace dress and bonnet (christening robe), embroidered bed set.
Brown, Mrs. A. S., Clay City. Crochet piano scarf.
Buila, Mrs. Bessie Rhode, Morocco. Drawn-work tablecloth.
Caldwell, Mrs. Wm. L., Indianapolis. Point-lace bertha.
Clark, Mrs. Robt. A., Attica. Lunch cloth.
Cole, Mrs. Edw. N., Kokomo. 1 crochet doll, convent of St. Benedict, Ferdinand. Battenburg butterfly-point lace.
Craft, Mrs. W. H., Indianapolis. Collar and cuff set, caricmacross lace.
Cragmont-Southeastern Hospital for Insane, Madison. 1 crochet square, tatted collar and cuff set, samples of knitted lace, lunch cloth.
Cutliff, Mrs. Sadie, Petersburg. Woven Tenerliffe doily, point-lace doily, embroidered bed set.
Dangler, Mrs. Harry C., Goshen. 1 Irish Crochet Waist—original design, Crochet Luncheon Set—37 pieces.
De Grotte, Mrs. Fred, Mishawaka. Embroidered centrepiece (2), embroidered napkin.
De Lattor, Mrs. Julia, Brazil. Baby Irish cap.
Domania, Jennie, Vevay. Crochet and embroidered centrepiece, white embroidered piece-feather design.
Driffin, Theresa, Delphi. Darned huck vest, Hardanger table cloth.
Fandry, Mrs. A. J., Indianapolis. Crochet Library Table Cover, Crochet Bed Spread.
Findley, Mrs. M. A., Kokomo. Embroidered baby dress, pair hemstitched towels (cross-stitch design).
Fish, Miss Julia E., Indianapolis. Beaded card case.
Fish, Mrs. W. S., Indianapolis. Beaded bag (parrot design), card case (rose design).
Gifford, Anna—New Albany. Tatted Hand-Gifford, Mrs. M. R., Tipton. Hand-made baby dress, Battenberg centrepiece.
Gregg, J. C., Greenwood. Embroidered centrepiece.
Hasemeier, Mrs. Katherine K., Richmond. Embroidered Doily, kerchief.
Harris, Miss Florence E., Rising Sun. Four table mats.
Hart, Mrs. E. S., Greenfield. Crochet centrepiece (roll-stitch design), crochet centrepiece (pineapple and bean design).
Hendricks, Mrs. Chas. E., Greenfield. Duchess lace collar, point-lace collar, collar point lace, applique, doily (novelty braid design), point-lace handkerchief, embroidered lunch cloth, lunch set in Battenburg (13 pieces), 1 pair embroidered curtains on burlap.
Henry, Nellie E., Fort Wayne. Fillet insertion and fillet monogram.
Houck, Mrs. G. W., Kokomo. Beaded chain, horsehair chain, beaded belt.
Hunter, Miss Stella, Fort Wayne. Embroidered corset cover, handkerchief, child's apron, collars (2), and towel.
Indiana Woman's Prison—Indianapolis. 1 pr. Cross Stitch Towels, 1 Crochet Belt, Mexican Lunch Cloth, 1 Drawn-work Bed Set, 1 Embroidered Bed Set, 1 Crochet Bed Set.
Johnson, Alfreda, West Point. Tenerliffe centrepiece, crochet centrepiece.
Johnson, Anna, West Point. Embroidered centrepiece.
Johnson, Mrs. B. B., Richmond. Crochet Lunch Cloth.
Jeffers, Mrs. H. A., Bloomington. Crochet centrepiece.
Jones, Miss Nellie—Milton. Hardanger Lunch Cloth.
Jones, Mrs. Winslow, Lebanon. Embroidered Kenower, Mrs. John P., Huntington, 1 Hardanger Scarf, 1 Punch Work Scarf, 1 French Embroidered Shirt Waist, pin cushion, jabot, handkerchief, shirtwaist set, samples (button holes).
Kerr, Susan C., Union City. Hardanger lunch cloth.
Knight, Mrs. Mary, Rochester. Crochet centrepiece.
Kumph, Mrs. J. F. C., Brazil. Crochet pillow top.
Langford, Marguerite, Fort Wayne. Fillet collar, fillet yoke.
Lee, Mrs. Wm. H., Indianapolis. Novelty Brand Lunch Set, 5 pieces Specimen Carnation Braid.
Lentz, Mrs. L. G., Tipton. Persian lunch cloth (drawnwork).
Leonard, Miss A. M., Indianapolis. Embroidered pillow top.
Longcliff Hospital, Logansport. Dresser scarf, dresser cover, table cover, handkerchief, crochet lace, and one piece crochet lace.
McConologue, Mrs. Daisy Mote, Richmond. Embroidered Centrepiece.
McCord, Mrs. Harris, Rockville. Embroidered towel, tatting handkerchief.
McFadden, Mrs. Mary, Indianapolis. Two tatted handkerchiefs, 2 jabots.
Marion County Hospital for Incurable Insane, Juliette. Drawnwork squares (white and ecru).
Meier, Mrs. Lewis, Indianapolis. Beaded bag (conventional design).
Miner, Fanny—Indianapolis. 2 Poinc. 1 --- Medallions.

- Moler, Mrs. Angela, Indianapolis. Hand-woven scarf.
- Morgel, Mrs. Geo., Brazil. Tatted doily.
- Murphy, Mrs. Minnie Coffin—Indianapolis. One Embroidered Serving Tray—original design.
- Nash, Mrs. Winona M., Tipton. Embroidered centrepiece (Battenburg border), dresser scarf, centrepiece (hand-made lace), one-half dozen embroidered napkins with monogram, embroidered lunch cloth.
- Pugsley, Mrs. P. J., Peru. One pair infant's crochet shoes.
- Rickey, Mrs. Ada M., Lebanon. Piece of Venetian crochet.
- Rubelt, Miss Ida C., Brazil. Ladies' waist (baby Irish lace).
- Rubey, Miss Ida, Winchester. French embroidered nightdress.
- Scott, Mrs. Ida Gray, Indianapolis. Silk Battenburg stole.
- Sisters of St. Benedict—Ferdinand. Battenburg Butterfly—Point Lace, 1 pce. of Embroidery.
- Smeltzer, Ella, Pyemont. Dresser scarf.
- Smith, Adelpia, Delphi. Scarf (knitted lace).
- Southeastern Hospital for Insane—Madison. One Crochet Square, Tatted Collar and Cuff Set, Knitted Lace, Lunch Cloth.
- Stayman, Mrs. Josephine B.—Indianapolis. 4 Cross Stitch Guest Towels.
- Stevenson, Mrs. Lawrence, Oaktown. Crochet centrepiece (roll stitch).
- Stone, Mrs., Westfield. Four-piece luncheon set.
- Stone, Ellen A.—Westfield. Four-piece Luncheon Set.
- Strong, Mrs. Frank, Shelbyville. Embroidered wild-rose centrepiece.
- Strong, Mrs. E. H., Indianapolis. Drawnwork lunch cloth and dresser scarf.
- Taylor, Mrs. Edward—Monticello. Crochet Center Piece.
- Turner, Miss Jennie, Lafayette. Beaded belt, point-lace handkerchief, drawnwork handkerchief.
- Waldemeyer, Mrs. Anna, Vevay. 1 fillet centrepiece (morning-glory pattern).
- Wahl, Mrs. Jacob, Vevay. Crochet daisy doily (original design, awarded medal at Manchester, England, 1914), crochet oval and round doily, fillet crochet centrepiece, large fillet crochet centrepiece of grapes, 2 small doilies, 1 medium, centrepiece and tray cloth, crochet block and bar doily, crochet doily (horn of plenty design), hexagon doily, crochet plate and tumbler doily, rib-pattern crochet doily, large crochet doily (diamond design) crochet centrepiece (diamond and star design), crochet oval in scroll-fillet design.
- Webster, Mrs. E. E., Bedford. Crochet collar and cuff set.
- Welch, Mrs. Sarah E.—Indianapolis. One Embroidered Table Runner.
- Wilson, Bess, Delphi. Lunch cloth and fancy towel.
- Wilson, Mrs. John, Remington. Point-lace handkerchief, tie and Battenburg collar.
- Woman's Prison, Indianapolis. Cross-stitch towels, crochet belt, Mexican lunch cloth, drawnwork bed set, embroidered bed set, crochet bed set.
- Woodburn, Mrs. Howard, Bowling Green. Dark linen lunch cloth (crochet border).
- Yaggy, Prudence A., Woodburn. Tatted doily.
- Yeager, Alma, Shelbyville. 18 crochet mats, crochet bag.
- Yeakley, Mrs. Samuel, Burrows. Embroidered towel.

UNITED STATES GOVERNMENT INSULAR POSSESSIONS

PHILIPPINE ISLANDS

Philippine Pav., Ave of Nations and Olympian Way.

GROUP 47

JEWELRY

Department of Mindanao and Sulu—Zamboanga, Mindanao. Collection of Shell Mother of Pearl Jewelry.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Department of Mindanao and Sulu—Zamboanga, Mindanao. More Brass.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Bureau of Science—Manila. Philippine Basketry.

GROUP 57

PERMANENT DECORATION AND FIXED FURNITURE FOR BUILDINGS AND DWELLINGS

Bureau of Science—Manila. Marble Baptismal Font.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Department of Mindanao and Sulu—Zamboanga, Mindanao. Collection of Fiber Mats.
Philippine Exposition Board—Manila and San Francisco. Mats. Method of making mats.

GROUP 71

APPARATUS AND METHODS FOR LIGHTING, NOT OTHERWISE CLASSIFIED

Philippine Exposition Board—Manila and San Francisco. Process of making cut shell lamp shades and the finished product.

GROUP 73

EQUIPMENT AND PROCESSES USED IN THE MANUFACTURE OF TEXTILE FABRICS

Philippine Exposition Board—Manila and San Francisco. Four hand-made looms for weaving *jusi* and *pina*.

GROUP 76

THREADS AND FABRICS OF COTTON

Province of Ilocos Norte—Luzon. Cotton Toweling made from home-spun thread.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC., CORDAGE

Bureau of Science—Manila. Specimens of cloth made by natives.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS
Philippine Exposition Board—Manila and San Francisco. Process of needle embroidery.

GROUP 82

FURS AND SKINS, FUR CLOTHING; LEATHER, BOOTS AND SHOES

Province of Rizal—Luzon. American style Shoes.

GROUP 83

VARIOUS INDUSTRIES CONNECTED WITH CLOTHING

Bureau of Science—Manila. Native Fiber Hats.
Philippine Exposition Board—Manila and San Francisco. Process of making Fiber Hats.
Process of carving Swagger Canes.

Agr. Pal., Ave. D, bet. 1st and 2nd Sts.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

Ahern, Geo. P., Manila. Home Furniture.
Barber, Jack E.—Bureau of Forestry, Manila. Camagong Chairs.
Fischer, A. F., Manila. 2 tables.
Harbord, Col. J. G., Manila. Desks, side boards, etc.
Johnson, Justice Finley, Manila. Home Furniture.
Klar, Mrs. F. L.—Cotabato. Library Table.
Kames, Vicente—Bangued. Chairs.
Fajalta, Miguel, Manila. Office Desk.
Seaver, Capt., Manila. Tables.
Schneider, E. E., Manila. Serving Table.
Valdez, Emiliano—Angeles. Rattan and Bamboo Furniture.
Walker, Mrs. Barbour, Manila. Table.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Government of Philippine Islands—Bureau of Forestry. Wall Covering.

GROUP 65

UPHOLSTERERS' DECORATIONS

Government of the Philippine Islands—Manila. Pillows of Kapok Floss.

GROUP 76

THREADS AND FABRICS OF COTTON

Government of the Philippine Islands—Manila. Counterpanes, etc.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC., CORDAGE

Government of the Philippine Islands—Manila. Palm, Bast and Rattan Fibers, etc.
Government of the Philippine Islands—Manila. Cloths.
Johnson Picket Rope Factory—Manila. Rope.
Laguna Rope Factory—Santa Cruz. Rope.
Lutz & Co.—Manila. Knotted Alaca.
Manila Commercial Co.—Manila. Threads of Vegetable Fiber.
Province of Tayabas Lucena—Knotted Alaca on Spools.
Ynchausti & Co.—Manila. Rope.

Ed. Pal., Ave. A & 1st Ave.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON

Santa Rosa College—Manila. Reproduction in Wax of Filipino Fruits.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Government of the Philippine Islands—Manila. Brooms, Brushes, etc.

GROUP 53

ARTICLES FOR TRAVELING AND FOR CAMPING, INDIA RUBBER AND GUTTA PERCHA INDUSTRIES

Government of the Philippine Islands—Manila. Hammocks, etc.

GROUP 56

TOYS

Government of the Philippine Islands—Manila. Dolls.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

Assumption College—Iloilo. Two painted Screens.
Government of the Philippine Islands—Manila. Furniture.
Silliman Institute—Dinnaguite, Negros. Oriental Furniture.

GROUP 65

UPHOLSTERERS' DECORATIONS

Assumption College—Iloilo. Three painted Cushion Covers.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC., CORDAGE

Government of the Philippine Islands—Manila. Threads, Fibers and Fabrics.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Sacred Heart College—Manila. Collars and Doilies.
St. Brigid's College—Manila. Batagan. Irish Crochet.
Santa Isabel College—Manila. Lace.

DISCUSSION OF LIFE HISTORY

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1. 1990年12月，在《中国环境报》发表署名文章《中国环境状况令人担忧》，指出中国环境状况令人担忧，呼吁全社会关注环境问题。

~~SECRET~~

13.07.1

**NEW FIBER PRODUCE WEARING AP-
PEAR FOR MEN WOMEN AND
CHILDREN**

SECRET - INTERNAL SECURITY - R.I. 1 - 1000

2002

**ALL THE SUBJECTS CONNECTED WITH
MARTINE**

Government of the Philippine Islands—Merrill

FOREIGN GOVERNMENTS

ARGENTINA

V. I. Pal., Av. A & 4th St., Av. B & 5th St.

GROUP 44

STATIONERY, DESK ACCESSORIES,
ARTISTS' MATERIALS

Bourg & Hno., J.—Buenos Aires. Ink, Sealing Wax, Mucilage, Paste for Printing Cylinders.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES,
FANCY ARTICLES AND BASKET
WORK

Cosni & Cia., Federico—Buenos Aires. Brooms and Feather Dusters.

GROUP 54

HUNTING EQUIPMENT AND PRODUCTS
OF HUNTING

Comite Argentino Para La Exposicion Universal De San Francisco De California—Buenos Aires. Collection of Stuffed Animals of all kinds. Collections of Skins of Undomesticated Animals.

Gobernacion De Los Andes—San Antonio De Los Cobres (Territory of Los Andes). Skin of Royal Rodent.

GROUP 57

PERMANENT DECORATION AND FIXED
FURNITURE FOR BUILDINGS AND
DWELLINGS

Arregger, Federico—Buenos Aires. Special Materials Applied to Constructions. Asbestine, Vulcanite, Hydrocide, Carholineum.

Gaertner, Lampe & Cia—Buenos Aires. Compressed Mosaics.

Grasso e hijo, Benito—Buenos Aires. Monolithic Flooring "Litostilo."

Mari, Pablo—Buenos Aires. Five Wooden Columns.

Peri, Enrique—Buenos Aires. 24 Turned Wooden Columns.

Spinedi e Hijo, Benito—Buenos Aires. Mosaics of Various Kinds.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE
AND UTILITIES

Molina, Avefino—Buenos Aires. Brass Bedstead.

GROUP 60

HARDWARE AND WOODENWARE

Bash & Cia., Adolfo—Buenos Aires City. Steel Safes and a Model of a Treasure Safe. Model of a Project of a Great Treasure Safe. Plans, Graphics, Etc.

Cordina, Eugenio—Buenos Aires. Iron Furniture.

Ferrum—Avellaneda (State of B. Aires). Articles of Tinned and Enameled Iron, Steel Pipes.

Montagnini, Ernesto—Buenos Aires. Pneumatic Cells.

Torres & Gaspio—Buenos Aires. Carpenters' Tools.

Vetere & Cia., N. F.—Buenos Aires. Iron Safes.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS
FOR UPHOLSTERY

Asplanato, Rosa—Buenos Aires. Carpets. Sieburger, Christian—Buenos Aires. Tanned Hides for Upholstering and Other Purposes.

GROUP 65

UPHOLSTERERS' DECORATIONS

Asplanato, Arturo & Jose—Buenos Aires. Screens and Curtains.

Silberstein, Adolfo—Buenos Aires. Curtains.

GROUP 66

CERAMICS

Gaertner, Lampe & Cia.—Buenos Aires. Compressed Mosaics.

Spinedi e Hijo, Benito—Buenos Aires. Mosaics of Various Kinds.

GROUP 67

PLUMBING AND SANITARY MATERIALS

Caresa, Francisco—Rosario (State of Santa Fe). Reinforced Concrete Pipes.

Ferrum—Avellaneda (State of B. Aires). Articles of Tinned and Enameled Iron, Steel Pipes.

GROUP 68

GLASS AND CRYSTAL

Cristalerias Rigolleau—Buenos Aires. Glassware of All Kinds.

GROUP 69

APPARATUS AND PROCESSES FOR HEAT-
ING AND VENTILATION

Martini, Dante—Buenos Aires. Bath Heating Apparatus "Celestial."

Maynadie & Cia., Pablo—Buenos Aires. Soot and Sparks Interceptor.

Touzet, A.—Buenos Aires. Soot Intercepting Apparatus.

GROUP 70

MANUFACTURE, DISTRIBUTION AND
USES OF GAS FOR LIGHT
AND FUEL

Caresa, Francisco—Rosario (State of Santa Fe). Reinforced Concrete Pipes.

Ferrum—Avellaneda (State of B. Aires). Articles of Tinned and Enameled Iron, Steel Pipes.

GROUP 71

**APPARATUS AND METHODS FOR LIGHT-
ING NOT OTHERWISE CLASSIFIED**

Azaretto Hermanos—Buenos Aires. Lighting Apparatus and Accessories.
Capelletti, Felix—Buenos Aires. Electric Light Fixtures.

GROUP 76

THREADS AND FABRICS OF COTTON

Baibiene & Antonini—Buenos Aires. Cotton Dry Goods.
Bournichon, A.—Buenos Aires. Combed and Glued Cotton.
Chaillon & Cia, Ernesto—Buenos Aires. Stitched Cotton Dry Goods.
Dockir & Cia., A.—Buenos Aires. Stamped Dry Goods of Different Kinds.

GROUP 77

**THREADS AND FABRICS OF FLAX, HEMP,
ETC., CORDAGE**

Ashworth & Cia—Buenos Aires. Samples of Towels, Belts, Sail Cloth and Canvas.
Baibiene & Antonini—Buenos Aires. Linen Dry Goods.
Chaillon & Cia, Ernesto—Buenos Aires. Stitched Woolen Dry Goods.
Fabrica Argentina De Alpargatas—Buenos Aires. Canvas and Sailcloth.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBERS

Ashworth & Cia—Buenos Aires. Cassimere.
Baibiene & Antonini—Buenos Aires. Woolen Dry Goods.
Coda & Cia, Jose—Buenos Aires. Felts.
Duhalde, Pourtales & Cia—Buenos Aires. Blankets.
Migons, Francisco—Buenos Aires. Stitched Dry Goods.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Asplanato, Arturo & Jose—Buenos Aires. Laces and Embroidery.
Asplanato, Rosa—Buenos Aires. Lacing and Embroidery.

A La Ciudad De Londres—Buenos Aires. Embroidery.

Codda, Miss Maria Teresa—La Paz (State of Entre Rios). A Hand Embroidered Cushion.

GROUP 81

**INDUSTRIES PRODUCING WEARING AP-
PAREL FOR MEN, WOMEN AND
CHILDREN**

A La Ciudad De Londres—Buenos Aires. General Ready-made Clothing.
Braceras, Angel—Buenos Aires. Civilian and Military Ready-made Clothing.
Duhalde, Pourtales & Cia, A.—Buenos Aires. Military Clothing.
Intendencia De Guerra—Buenos Aires City. Uniforms Used in Argentine Army.
Mastrangelo, Severo—Buenos Aires. Ready-made Clothing for Men. (A Dinner Jacket.)

GROUP 82

**FURS AND SKINS, FUR CLOTHING;
LEATHER, BOOTS AND SHOES**

Adot & Hno, N.—Buenos Aires. Footwear.
Comite Argentino Para La Exposicion Universal De San Francisco De California—Buenos Aires. Collections of Skins of Undomesticated Animals.
Fabrica Argentina De Alpargatas—Buenos Aires. Canvas Shoes, Footwear.
Gaddi, Juan D.—Buenos Aires. Tanned Leathers.
Gobernacion De Los Andes—San Antonio De Los Cobres (Territory of Los Andes). Skin of Royal Rodent.
Grimoldi Hnos—Buenos Aires. Footwear of all kinds.
Marcone & Cia—Concordia (State of Entre Rios). Tanned Hides.
Pagola & Cia—Buenos Aires. Footwear for Men and Women.

GROUP 83

**VARIOUS INDUSTRIES CONNECTED WITH
CLOTHING**

Amor & Murias—Buenos Aires. Trimmings for Hats.
Garcia, Juan—Buenos Aires. Collars and Cuffs.
Maison Petrel—Buenos Aires. Corsets and Bandages.
Marelli & Conti, Luis—Buenos Aires. Beaver Hats for Men.

AUSTRIA

Location: V. I. Pal., 4th St., Av. B & 5th St.

GROUP 44

**STATIONERY, DESK ACCESSORIES,
ARTISTS' MATERIALS**

Moster, Edmund & Co.—Agram, Croatia. Pen-kala Pat Pencils.

GROUP 47

JEWELRY

Fischer, Armand—Budapest. Antique Jewelry.
Freudenberg, J.—Gablons, Bohemia. Jewelry.
Fried, Freres—Gablons, Bohemia. Jewelry.
Jaeger Bros.—Vienna. Jewelry.

Reichert, W. & Co.—Prag. Garnets.

Thieben, Joseph—Vienna and Gablons. Jew-elry.

Trieste Tortoise Shell & Coral Co.—Trieste. Coral.

GROUP 49

**OBJECTS EXHIBITED MORE FOR THEIR
ORNAMENTAL DESIGN THAN FOR
THEIR UTILITY**

Amphora Works—Teplitz, Bohemia. Art Porcelains.
Borman, Henry—Vienna. Porcelain and Glass Ornaments.

Schmidt & Co.—Altrohlan, Bohemia. Art Porcelains.
Victoria Factory—Karlsbad, Bohemia. Porcelain Ornaments.

GROUP 52

**BRUSHES, FINE LEATHER ARTICLES,
 FANCY ARTICLES AND BASKET
 WORK**

Trieste Tortoise Shell & Coral Co.—Trieste. Tortoise Shell Goods.
Vienna Bronze & Brass Co., Baldwin, Heller & Sons—Vienna. Smoking Sets, Etc.
Vienna Pipe Co., H. Kemperling—Vienna. Pipes.
Wuerle & Son—Vienna. Leather Goods.

GROUP 53

**ARTICLES FOR TRAVELING AND FOR
 CAMPING, INDIA RUBBER AND
 GUTTA PERCHA INDUSTRIES**

Jonick, Alexander—Cracow. Artificial Fruits made of Rubber.

GROUP 56
CERAMICS

Amphora Works—Teplitz, Bohemia. Chinaware.
Borman, Henry—Vienna. Chinaware.
Schmidt & Co.—Altrohlan, Bohemia. Chinaware.
Victoria Factory—Karlsbad. Chinaware.

GROUP 58

GLASS AND CRYSTAL

Borman, Henry—Vienna. Glass Ornaments.
Goldberg, Carl—Haida, Bohemia. Glassware.
Karlsbad Glass Works—Karlsbad, Bohemia. Bohemian Glassware.
Lazarus & Rosenfeld—Steinshonau, Bohemia. Glassware.
Moser, Ludwig & Sons—Karlsbad, Bohemia. Bohemian Glassware.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Fischer, Armand—Budapest. Embroideries.
Mährische Centrale for Volkskunst—Braun, Moravia. Laces.
Regenhart & Rayman—Vienna. Laces.

AUSTRALIA

Australian Pavilion, Esplanade, near Fine Arts Palace

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Technological Museum—Sydney. Silversmith's Art—Miscellaneous Articles. Enamels of Australian Flora.

GROUP 47

JEWELRY

Fraser, Ltd.—Brisbane, Queensland. Collection of Jewelry set with Opals and other precious stones.
Marks, Percy—Sydney, New South Wales. Jewelry, Rings.

GROUP 49

**OBJECTS EXHIBITED MORE FOR THEIR
 ORNAMENTAL DESIGN THAN FOR
 THEIR UTILITY**

Moroney, W.—Brisbane, Queensland. Collection of Vases.

GROUP 51

STAINED GLASS

Exton, E. S. & Co.—Brisbane, Queensland. Leaded Ornamental Glass Panel.
Oxide Bros.—Brisbane, Queensland. Collection of Embossed and Gilded Glass Panels.

GROUP 52

**BRUSHES, FINE LEATHER ARTICLES,
 FANCY ARTICLES AND BASKET
 WORK**

Beckers, Ltd.—Brisbane, Queensland. Leather Goods.
Cloudsdale, E.—Brisbane, Queensland. Manufactured Brushware.
Hannworth, M.—Brisbane, Queensland. Leather Goods.

Oates, Albert & Co.—North Melbourne, Victoria. Brooms.

GROUP 55

FISHING EQUIPMENT AND PRODUCTS
Government of Queensland—Queensland. Collection of Sea Shells and Corals.

GROUP 57

**PERMANENT DECORATION AND FIXED
 FURNITURE FOR BUILDINGS
 AND DWELLINGS**

Campbell, J. & Son—Brisbane, Queensland. Exhibit of Joinery Work.
Lahey Bros.—Brisbane, Queensland. Exhibit of Joinery Work.

GROUP 58

**OFFICE AND HOUSEHOLD FURNITURE
 AND UTILITIES**

Department of Public Works—Brisbane, Queensland. Office Furniture.
Finney Isles & Co.—Brisbane, Queensland. Collection of Furniture.
Goldman Manufacturing Co.—Melbourne, Victoria. Collection of Furniture (Victorian Timber).
Hicks, J., Ltd.—Brisbane, Queensland. Furniture.
Laycock, Littledike & Co.—Brisbane, Queensland. Smoker's Cabinet.
Technological Museum—Sydney, New South Wales. Office Furniture (Australian Timber).

GROUP 60

HARDWARE AND WOODENWARE

Hodgson, Dr. James—Melbourne, Victoria. Springs.
Lahey Bros.—Brisbane, Queensland.
Bothwell, Ltd.—Brisbane, Queensland.

GROUP 68

CERAMICS

Moroney, W.—Brisbane, Queensland. Collection of Vases.
 Technological Museum—Sydney, New South Wales. Royal Worcester Plate with Decoration of Australian Flora. Doulton Ware with decoration of Australian Flora.

GROUP 69

APPARATUS AND PROCESSES FOR HEATING AND VENTILATION

Forrest, Lang & Roper, Ltd.—Brisbane, Queensland. Cooking Stove ("Rex").

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC., CORDAGE

Australian Marine Fibres, Ltd.—Sydney, New South Wales. Marine "Posidonia" Fibre Rope Lapping and samples of Cloth, Blankets, Flannels, Etc., made of mixed "Posidonia" and cross-bred wood.
 Department of Agriculture and Stock—Brisbane, Queensland. Sisal Fibre.
 Department of Agriculture—Victoria. Linseed and Flax Fibre.
 Forsythe & Co.—Brisbane, Queensland. Sisal Fibre. Ropes and Cordage.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBRES

Albion Woolen Mills—Geelong, Victoria. Motor and Buggy Rugs.

Hirst's Excelsior Woolen Mills—Geelong, Victoria. Serges, Flannels, Etc.
 Scammel, E. A.—Miles, Queensland. Mohair.
 Warrnambool Woolen Mills—Victoria. Blankets and Flannels.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Ferguson, Mrs. James—Enoggera, Queensland. Drawn Thread Work, Venetian Embroidery, Corticelli Work and Bead Worked Bag.

GROUP 82

FURS AND SKINS, FUR CLOTHING; LEATHER, BOOTS AND SHOES

Fareigh, Netheim & Co.—Sydney, New South Wales. Sole Leather.
 Gallagher, M. T.—Brisbane, Queensland. Raw Leathers.
 Michaelis, Hallenstein & Co., Ltd.—Melbourne, Victoria. Sole Leather.
 Tost & Rohu—Sydney, New South Wales. Australian Furs and Snake Skins. Manufactured Snake Skin Articles.

GROUP 83

VARIOUS INDUSTRIES CONNECTED WITH CLOTHING

Walther & Stevenson, Ltd.—Sydney, New South Wales. Whips.

BALKAN STATES

Location: V. I. Pal. Av. A & 6th St.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Peasant & Home Industries — Bucharest. Weaving of Rugs

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC.; CORDAGE

Peasant & Home Industries — Bucharest. Weaving of Linens

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBRES

Peasant & Home Industries — Bucharest. Weaving of Wools

GROUP 79

SILKS AND FABRICS OF SILK

Peasant & Home Industries — Bucharest. Weaving of Silks

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Girls' Blind School—Bucharest, Roumania. Laces and Embroidering.

CHINA

V. I. Pal. Av. C 4th St. Av. D & 6th St.

GROUP 65

SILVERSMITHS' AND GOLDSMITHS' WARE

An Dig Sang Chih—Silver Wares
 Chea Kwang Co.—Kwangtung Silver Wares
 Hui Bow Silver Store—Shantung Silver Wares

Liang Moh Kee—Nanking Silver Wares
 Liu Li Ching—Shanghai Silver Wares
 Mah Shew Shan—Shanghai Silver Wares
 Mei Hua Lan—Shanghai Silver Wares

GROUP 67

JEWELRY

An Dig Sang Chih—Pearl and Gold Jade and Pearl
 Antung District—Pearl

Hing Yip Co.—Kwangtung. Jewelry.
 Hsia Poh Hsiang, Kiangsu Exhibits Ass'n,
 Kiangsu. Jewelry.
 Kwangtung Ex. Association—Kwangtung. Jew-
 elry.
 Mun Wui Kee—Kwangtung. Jewelry.
 Wu Tsung Tai, Kiangsu Exhibits Ass'n,
 Kiangsu. Jewelry.

GROUP 48

CLOCK AND WATCH MAKING

Mei Hua Lee—Kiangsu. Clocks.
 Sun Moi Tong—Kiangsu. Clocks.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR
ORNAMENTAL DESIGN THAN FOR
THEIR UTILITY

An Dig Sang—Chili. Silver Works.
 Bow Woe Yin—Chekiang. Brass Works.
 Bureau of Industries—Szechuen. Tin Works.
 Chang Bing Chin—Hupeh. Brass Works.
 Chang Hua Moi—Chekiang. Wood Works.
 Chang Sou Mun—Chili. Brass Works.
 Chang Yick Chong—Chekiang. Wood Works.
 Chen Chung Cheong—Chekiang. Wood Works.
 Chen Kwong Co.—Kwangtung. Silver Works.
 Ching Fah Koo Chai—Shantung. Brass Works.
 Ching Hou Kuen—Shantung. Brass Works.
 Chow Moi Koh—Chekiang. Brass and Wood
 Works.
 Fan Sih Moh Saw—Chekiang. Wood Works.
 Fine Arts Co.—Chekiang. Wood Works.
 First Dist. Occupational Institution—Cheki-
 ang. Wood Works.
 Fung Jing Ching—Hupeh. Brass Works.
 Hsia Kim Woh—Szechuen. Tin Works.
 Hui Bow Silver Store—Shantung. Silver
 Works.
 Hu Sing Wan—Shantung. Brass Works.
 Hung Jing Ching—Hupeh. Brass Works.
 Hupeh Museum—Hupeh. Brass Works.
 Industrial Factory, The—Fukien. Brass Works.
 Jan Ching Hang—Hunan. Tin Works.
 Jim Tai Ching—Hupeh. Brass Works.
 Keh-Woh District Chamber of Com.—Cheki-
 ang. Brass Works.
 Kuo Wing Lung—Chekiang. Brass Works.
 Kwangtung Ex. Asso.—Kwangtung. Silver
 Works.
 Kwei Sing Wing—Chekiang. Brass Works.
 Kwok Tsung—Shantung. Brass Works.
 Liang Moi Kee—Kwangtung. Silver Works.
 Lin Kong Kee—Fukien. Brass Works.
 Lin Wen Jeh—Chekiang. Wood Works.
 Lu Mow Chun—Chili. Brass Works.
 Lu Tse Tsung—Chekiang. Wood Works.
 Lin Li Ching—Chili. Silver Works.
 Mah Shew Shan—Shantung. Silver Works.
 Mot Hua Lau—Chili. Silver Works.
 Ping Ming Factory, The—Chekiang. Wood
 Works.
 Poon Wing Ki—Chekiang. Wood Works.
 Sen Gue Fan Saw—Chekiang. Wood Works.
 Si Yan—Chekiang. Wood Works.
 Sied Hui Sun—Chekiang. Brass Works.
 Tcheng Sui Ki—Chekiang. Wood Works.
 Tsao Jok Wu—Chekiang. Wood Works.
 Wang Hung Mei—Shantung. Tin Works.
 Wang Tsun Ting—Shantung. Tin Works.
 Yau Ching Yuen—Chili. Brass Works.
 Yau Tai Woh—Hupeh. Brass Works.
 Yu Man Sui—Chili. Brass Works.
 Yu Sing Sing—Shantung. Brass Works.
 Yu Tai Hang—Hupeh. Brass Works.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MAR-
BLE, BRONZE, CAST IRON AND
WROUGHT IRON

The Ex. Asso.—Chekiang. Stone

Fentien Ex. Asso.—Fentien. Stone Works.
 Hang Ching Wing—Fentien. Stone Works.
 Lee Teen Wing—Fentien. Stone Works.
 Ping Ming Factory, The—Chekiang. Stone
 Works.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES,
FANCY ARTICLES AND BASKET
WORK

Chen Sang Ching—Fukien. Combs.
 Chen Shang Jue—Chekiang. Lacquer Works.
 Chow Moi Koh—Chekiang. Lacquer Works.
 Fook Ching An—Fukien. Lacquer Works.
 Fung Cho Yok—Kwangtung. Combs.
 Hunan Ex. Asso.—Hunan. Combs.
 Industrial Factory, The—Fukien. Lacquer
 Works.
 Industrial Institute, The—Fukien. Lacquer
 Works.
 Jok Deh Kiang—Anhui. Combs.
 Jow Jan Kee—Fukien. Combs.
 Kwangtung Ex. Asso.—Kwangtung. Ivory and
 Lacquer Works.
 Lau Book Hang Soon—Kiangsu. Combs.
 Lee Gai Ting—Kwangtung. Lacquer Works.
 Lee Siu Yu—Kwangtung. Combs.
 Lin Hung Piu—Fukien. Lacquer Works.
 Lin Kong Kee—Fukien. Lacquer Works.
 Liu Hung Chamber of Com.—Hunan. Lacquer
 Works.
 Lum Gok Kee—Kwangtung. Ivory Works.
 Mun Lum Gok—Kwangtung. Lacquer Works.
 Ping Ming Factory, The—Chekiang. Lacquer
 Works.
 Shen Jing Jeh—Fukien. Lacquer Works.
 Shen Jing Yu—Fukien. Lacquer Works.
 Shen Sin An Hai Ki—Fukien. Lacquer Works.
 Shen Sin An He Ki—Fukien. Lacquer Works.
 Shen Sin An Jing Koh—Fukien. Lacquer
 Works.
 Song Ching—Fukien. Lacquer Works.
 Sun Bow Heung—Chekiang. Lacquer Works.
 Tcheng Sui Ki—Chekiang. Lacquer Works.
 Wang Dai Chong—Kiangsu. Combs.
 Wang Fang Hui—Kwangtung. Lacquer
 Works.
 Wang Kow Jan—Fukien. Lacquer Works.

GROUP 61

CARPETS, TAPESTRIES AND FABRICS
FOR UPHOLSTERY

Bureau of Industries—Hunan. Rugs.
 Chang Chu—Shantung. Rugs.
 Chang Lum Kee—Kwangtung. Mattings.
 Chen Yu Chum—Chili. Rugs.
 Choe Jan Sen—Hunan. Rugs.
 Chung Wan Kung—Fentien. Rugs.
 Dai Hop Ching—Hunan. Rugs.
 Gin Yok Chang—Fentien. Rugs.
 Hip Tai Wing—Hunan. Rugs.
 Hunan Ex. Asso.—Hunan. Mattings and
 Rugs.
 Hunan Museum—Hunan. Rugs.
 Hou Hang Jue—Chili. Rugs.
 Kwangsi Foo-Chuen Chamber of Com—
 Kwangtung. Mattings.
 Poo Lee Gah Co.—Chili. Rugs.
 Sied Ching Yu—Chili. Rugs.
 Sing Kee Hing—Kwangtung. Mattings.
 Towe Hop Co.—Kwangtung. Mattings.
 Yu Sing Ching—Fentien. Rugs.
 Yuet Hing—Kwangtung. Mattings.

GROUP 66

CERAMICS

Au Dai Sui—Kwangtung. Ceramics.
 Bureau of Industries—Szechuen. Ceramics.
 Ceramic Institute, The—Szechuen. Ceramics.
 Ceramic Art Institute—Hunan. Ceramics.
 Chang Chu—Shantung. Ceramics.

Chang Yu Woh—Hunan. Ceramics.
 Chen Ching Wan—Chili. Earthen Figures.
 Cheung Yuk—Kwangtung. Ceramics.
 Chih Cheung—Chili. Earthen Figures.
 Chuen Chee Co.—Szechuen. Ceramics.
 Commercial Museum, The—Kwangtung. Ceramics.
 Deh-Wha Chamber of Com.—Fukien. Ceramics.
 Fan Dai Sang—Kiangsu. Ceramics.
 Fan Ding Poo—Kiangsu. Ceramics.
 Fan Kwong Yu—Kiangsu. Ceramics.
 Fan Sing Poo—Kiangsu. Ceramics.
 Fow Fung Porcelain Co.—Hunan. Ceramics.
 Hai Chang Ying—Chili. Earthen Figures.
 Har Sin Poo—Kiangsu. Ceramics.
 High School of Industries—Szechuen. Ceramics.
 Hu Suh Lan—Kiangsu. Ceramics.
 Hwang Sih—Chili. Earthen Figures.
 Industrial Factory, The—Fukien. Ceramics.
 Jing Chai—Kiangsu. Ceramics.
 Kiangsi Ex. Asso.—Kiangsi. Ceramics.
 Kiangsi Museum—Kiangsi. Ceramics.
 Kood Deh Woh—Kiangsu. Ceramics.
 Kood Yik Wan—Kiangsu. Ceramics.
 Kuo King Nan—Kiangsu. Ceramics.
 Kwang Yok Ling—Kiangsu. Ceramics.
 Kwangtung Ex. Asso.—Kwangtung. Ceramics.
 Kwangtung Porcelain Mfg. Co.—Kwangtung. Ceramics.
 Lee Bow Jing—Kiangsu. Ceramics.
 Lee Fang Ting—Chili. Earthen Figures.
 Lee Yung Ceramic Co.—Kiangsu. Ceramics.
 Li Ling Porcelain Co.—Hunan. Ceramics.
 Lin Kong Kee—Fukien. Ceramics.
 Liu Mow Lin—Szechuen. Ceramics.
 Liu Tsai Chong—Hunan. Ceramics.
 Lo Leong Hop—Kwangtung. Ceramics.
 Lo Tze Yeu—Kwangtung. Ceramics.
 Lu Shen Yu—Kiangsu. Ceramics.
 Mok Hua Kee—Kiangsu. Ceramics.
 Nam Sing Co.—Kwangtung. Ceramics.
 Ng Siang Jing Kee—Kwangtung. Ceramics.
 Nie Yan Chang—Chili. Earthen Figures.
 Po Hing Co., The—Kwangtung. Ceramics.
 Poon Pak Shew—Kiangsu. Ceramics.
 Sen Hou Porcelain Co.—Hunan. Ceramics.
 Shu He Lu—Chili. Earthen Figures.
 Tan Jan Sing—Chili. Earthen Figures.
 Tang Poon Chang—Chili. Earthen Figures.
 Tow Teok Sang—Kiangsu. Ceramics.
 Tow Yok Shan Fang—Kiangsi. Ceramics.
 Tung Sing—Fukien. Ceramics.
 Wang Chu Wing—Chili. Earthen Figures.
 Wing Chun Chien—Chili. Earthen Figures.
 Wu Ah Nan—Kiangsu. Ceramics.
 Yang Jim Yu—Chili. Ceramics.
 Yang Pah Nang—Kiangsu. Ceramics.
 Yeu Chang Gon—Kiangsu. Ceramics.
 Yeu Shu Co.—Kiangsu. Ceramics.
 Yu Yuen Tai—Chili. Earthen Figures.
 Yuk Ming—Chili. Earthen Figures.

GROUP 68

GLASS AND CRYSTAL

An Dig Sang—Chili. Crystal Spectacles.
 Chinese Optical Co. Shanghai. Crystal Spectacles.
 Hunan Ex. Asso.—Hunan. Glassware.
 Li Shan Glass Factory—Hunan. Glassware.
 Lin Kong Kee—Fukien. Glassware.
 Lu Koh Glass Factory—Szechuen. Glassware.
 Shantung Industrial Training School—Shantung. Glass wire Pictures.
 Sui Lin Co.—Fukien. Glassware.

GROUP 70

THREADS AND FABRICS OF COTTON

Bureau of Industries Chili. Fabrics of Cotton.

Chew Yin Hom—Chili. Fabrics of Cotton.
 Dih-Lu-Ching Ping Ming Factory—Chili. Fabrics of Cotton.
 1st Peiyang Factory—Chili. Fabrics of Cotton.
 Han Sih Chang—Chili. Fabrics of Cotton.
 Han Sui Sang—Chili. Fabrics of Cotton.
 Kwang Yan Tong Factory for Women—Chili. Fabrics of Cotton.
 Lee Bing Chun—Chili. Fabrics of Cotton.
 Lee Ching Om—Chili. Fabrics of Cotton.
 Lee Gong Yang—Chili. Fabrics of Cotton.
 Liu Chung Hua—Chili. Fabrics of Cotton.
 Lung Chien Orphanage—Chili. Fabrics of Cotton.
 Man Doi Chamber of Com.—Kiangsi. Fabrics of Cotton.
 Mark Gam Bo—Kwangtung. Fabrics of Cotton.
 Ming Yick Factory—Chili. Fabrics of Cotton.
 2nd Peiyang Factory—Chili. Fabrics of Cotton.
 Tu Chih He—Chili. Fabrics of Cotton.
 Wang Deh Zsoon—Chili. Fabrics of Cotton.
 Wang Hang Chong—Chili. Fabrics of Cotton.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC., CORDAGE

Chang Ngok Bak—Kwangtung. Fabrics of Flax.
 Chang Yuen Kee—Kwangtung. Fabrics of Flax.
 Cheung Hang—Kiangsi. Fabrics of Flax.
 Cheung Kee—Szechuen. Fabrics of Flax.
 Ching Ming Cloth Factory—Hupeh. Fabrics of Flax.
 Chu Deh Tai—Hupeh. Fabrics of Flax.
 Dai Lun Weaving Co.—Hunan. Fabrics of Flax.
 For-Yang Branch Ex. Asso.—Kiangsi. Fabrics of Flax.
 Goong Yuen Co.—Kwangtung. Fabrics of Flax.
 Hang Kee—Szechuen. Fabrics of Flax.
 Ho Gam Tong—Kwangtung. Fabrics of Flax.
 Hunan Ex. Asso.—Hunan. Fabrics of Flax.
 Hung Kee—Szechuen. Fabrics of Flax.
 Hung Wing Ching—Hupeh. Fabrics of Flax.
 Jing Woh—Kwangtung. Fabrics of Flax.
 Kiangsi Ex. Asso.—Kiangsi. Fabrics of Flax.
 Kin Men Sing—Kiangsi. Fabrics of Flax.
 Kwang Fung Chamber of Com.—Kiangsi. Fabrics of Flax.
 Lee Hung Soon—Szechuen. Fabrics of Flax.
 Liu Yu Bing—Kiangsi. Fabrics of Flax.
 Lok-An Branch Ex. Asso.—Kiangsi. Fabrics of Flax.
 Lo Po Sen—Chekiang. Fabrics of Flax.
 Mah Dai Sang—Hunan. Fabrics of Flax.
 Ming Sun—Kwangtung. Fabrics of Flax.
 Ping-Ching Branch Ex. Asso.—Kiangsi. Fabrics of Flax.
 Shang-Koh Branch Ex. Asso.—Kiangsi. Fabrics of Flax.
 Suen Kan Ching—Kiangsi. Fabrics of Flax.
 Tai Woh Fung—Hunan. Fabrics of Flax.
 Wu Jing—Fukien. Fabrics of Flax.
 Yong Choi Yuen—Kwangtung. Fabrics of Flax.
 Yu Kong Cheung—Hupeh. Fabrics of Flax.
 Yu-Hwang Branch Ex. Asso.—Kiangsi. Fabrics of Flax.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBERS

Pu Li Woolen and Leather Goods Co.—Chili. Cloths and Blankets.

GROUP 70

SILK AND FABRICS OF SILK

- Agriculture Exp. Sta., Che Kiang. Raw Silk.
 An Chong School—Honan. Silk Threads.
 Bureau of Agriculture, Yunnan. Raw Silk.
 Bureau of Industries—Szechuen. Silk Fabrics.
 Bureau of Silks—Hupeh. Silk Threads.
 Central Agricultural Experiment Sta., Peking. Raw Silk.
 Chan Cheong—Hupeh. Silk Threads.
 Chang Bow Hay—Chekiang. Silk Threads.
 Chang Ching Yu—Anhui. Silk Threads Twisted.
 Chang Chit Sing—Kiangsu. Silk Fabrics.
 Chang Chun Sing—Hupeh. Silk Fabrics.
 Chang Deh Mow—Kiangsu. Silk Fabrics.
 Chang Dow Woh—Hupeh. Silk Threads.
 Chang Foo Yeu—Chekiang. Silk Threads.
 Chang Hang Soon—Kiangsu. Silk Fabrics.
 Chang Ho Poo—Kiangsu. Silk Threads.
 Chang Jick Sing—Hupeh. Silk Fabrics.
 Chang Len Chow—Chekiang. Silk Threads.
 Chang Ling—Chekiang. Silk Threads.
 Chang Mow Fung—Kiangsu. Silk Fabrics.
 Chang Tsoi Ting—Chekiang. Silk Fabrics.
 Chang Wang Sueh—Honan. Silk Fabrics.
 Chang Woh Tai—Hupeh. Silk Fabrics.
 Chang Ying Hung—Kiangsu. Silk Threads Twisted.
 Chang Yu Tai—Kiangsu. Silk Fabrics.
 Char Li Sun—Anhui. Silk Threads.
 Chem Kiang—Hupeh. Silk Threads.
 Chen Chang Ki—Kiangsu. Silk Fabrics.
 Chen Dah Kwei—Chekiang. Silk Fabrics.
 Chen Gee Ding—Chekiang. Silk Fabrics.
 Chen Jan Lok—Chekiang. Silk Threads.
 Chen Hang Sing—Chekiang. Silk Fabrics and Threads.
 Chang Kong Sih—Hupeh. Silk Fabrics.
 Chen Hang Soon—Kiangsu. Silk Fabrics.
 Chen Li Sang—Chekiang. Silk Fabrics.
 Chen Sih Fan—Chekiang. Silk Threads.
 Chen Tsai Choi—Chekiang. Silk Threads.
 Chen Tsang Sing—Kiangsu. Silk Fabrics.
 Chen Wing Fung—Kiangsu. Silk Fabrics.
 Chen Yu Sing—Chekiang. Silk Fabrics.
 Cheong Kee—Kiangsu. Silk Fabrics.
 Cheong Sing—Kiangsu. Silk Threads Twisted.
 Cheong Soon Co.—Kiangsu. Silk Fabrics.
 Cheong Soon Kung—Honan. Silk Fabrics.
 Chew Len Sang—Kiangsu. Silk Fabrics.
 Chew Sou Him—Kiangsu. Silk Fabrics.
 Chew Tsung Sum—Chekiang. Silk Threads.
 Chick Sen Len—Kiangsu. Silk Threads.
 Chien Hung Tai—Kiangsu. Silk Fabrics.
 Chien Yan Poo—Chekiang. Silk Threads.
 Ching Chong Woh—Shantung. Silk Fabrics.
 Ching Fung Sang Kee—Chekiang. Silk Threads.
 Ching Haa Silk Factory—Kiangsu. Silk Threads.
 Ching Kee—Szechuen. Silk Fabrics.
 Ching Mei Sang—Chekiang. Silk Threads.
 Ching Pah Kuen—Kiangsu. Silk Fabrics.
 Chin Sing Yuen—Szechuen. Silk Fabrics.
 Cho Ching Co.—Hupeh. Silk Threads.
 Choe Deh Kuen—Anhui. Silk Threads.
 Choi Jan Sen—Anhui. Silk Threads.
 Choong Jing Yu Tsung—Kiangsu. Silk Fabrics.
 Chow Kin Woh—Kiangsu. Silk Threads.
 Chow Sin Heung—Chekiang. Silk Threads.
 Chow Sin Poo—Szechuen. Silk Fabrics.
 Chow Sin Sun—Kiangsu. Silk Threads.
 Chu Chun Jen—Chekiang. Silk Fabrics.
 Chu Jing Sing—Chekiang. Silk Fabrics.
 Chu Kai Gee—Anhui. Silk Threads Twisted.
 Chu Kwang Sing—Hupeh. Silk Threads.
 Chu Li An—Kiangsu. Silk Threads.
 Chu Yan Poo—Chekiang. Silk Threads.
 Chu Ying Hoo—Anhui. Silk Threads Twisted.
 Chu Yuen—Hupeh. Silk Threads.
 Chun Sing Wing—Honan. Silk Threads.
 Chun Yuen Heung Kee—Chekiang. Silk Fabrics.
 Chung Cheong Hsien—Hupeh. Silk Threads.
 Chung Jan—Kwangtung. Silk Threads.
 Chung Lung Sang—Chekiang. Silk Threads.
 Chung Shah Sih—Chekiang. Silk Threads.
 Chung Sun Hang—Kwangtung. Silk Threads.
 Dai Ki Chang—Chekiang. Silk Threads.
 Dai King Silk Factory—Kiangsu. Silk Threads.
 Dai Lun—Kiangsu. Silk Threads.
 Dai Sang Factory—Anhui. Silk Threads.
 Dea Gai Bo—Hupeh. Silk Fabrics.
 Dea Sui Shan—Kiangsu. Silk Fabrics.
 Dea Tien Sik—Kiangsu. Silk Fabrics.
 Deh Ching Cheong—Honan. Silk Fabrics.
 Deh Chong—Hupeh. Silk Fabrics.
 Deh Yuen Co.—Honan. Silk Fabrics.
 Ding Sing Factory—Kiangsu. Silk Fabrics.
 Ding Tchang Fook—Kiangsu. Silk Fabrics.
 Dong Wai Hang—Kwangtung. Silk Threads.
 Dung-Yang Agri. Asso.—Hupeh. Silk Threads.
 Fan Gee Ching—Kiangsu. Silk Fabrics.
 Fan Si—Hupeh. Silk Threads.
 Fan Wai Chow—Chekiang. Silk Fabrics and Threads.
 Fang Fu Yuen—Kiangsu. Silk Threads.
 Fang Hsien—Hupeh. Silk Threads.
 Feh Yung Fong—Chekiang. Silk Fabrics.
 Fentien Agricultural School—Fentien. Silk Threads.
 Fentien Chamber of Com.—Fentien. Silk Threads.
 Fentien Ex. Asso.—Fentien. Silk Threads.
 First Agricultural School—Anhui. Silk Threads.
 Fong King Lim—Chekiang. Silk Threads.
 Fong Wan Koh—Chekiang. Silk Fabrics.
 Fong Wing Ching—Kiangsu. Silk Fabrics.
 Foooh Sing Tsang—Shantung. Silk Fabrics.
 Fook Kee—Kiangsu. Silk Threads.
 Fook Sen Chong—Kiangsu. Silk Fabrics.
 Fook Sing Co.—Kiangsu. Silk Threads.
 Fook Yu Hang—Honan. Silk Threads.
 Fow Sang Co.—Kiangsu. Silk Fabrics and Silk Threads.
 Fuh Ching Wing—Honan. Silk Fabrics.
 Fung-Hsien Silk Experiment Station—Kiangsu. Silk Threads.
 Fung Tai Sing—Honan. Silk Fabrics.
 Fung Yu Co.—Shantung. Silk Threads.
 Gee Deh Tai—Hupeh. Silk Fabrics.
 Gee Hing Lun Kwangtung. Silk Threads.
 Gee Sek Hsien—Hupeh. Silk Threads.
 Ging Mun Hsien—Hupeh. Silk Threads.
 Ging Wen Chow—Honan. Silk Fabrics.
 Git Kung Ching—Kiangsu. Silk Fabrics.
 Gok Sing—Hupeh. Silk Threads.
 Gong Kee Silk Factory—Kiangsu. Silk Threads.
 Goong Kuen Tai—Kiangsu. Silk Fabrics.
 Goong Sing Taih—Kiangsu. Silk Threads.
 Goong Yuen—Kwangtung. Silk Fabrics.
 Han Chuen—Hupeh. Silk Threads.
 Han Hon Chang—Hupeh. Silk Threads.
 Han King Deh—Chekiang. Silk Threads.
 Han-Ning Hsien—Hupeh. Silk Threads.
 Hang Cheong Kung—Shantung. Silk Threads.
 Hang Ching Deh—Shantung. Silk Threads.
 Hangchow Industrial Training School—Chekiang. Silk Threads.
 Hang Chun—Hupeh. Silk Fabrics.
 Hang Fung Jan—Kiangsu. Silk Threads.
 Hang Fung Tai—Chekiang. Silk Threads.
 Hang Hong Foo Lu Kee—Kiangsu. Silk Fabrics.
 Hang Lee Silk Factory—Kiangsu. Silk Threads.
 Hang Mow Chong—Kiangsu. Silk Threads.
 Hang Sing Ming—Honan. Silk Fabrics.
 Hang Tai—Honan. Silk Threads.
 Hang Yan Hui—Kiangsu. Silk Fabrics.

- Hang Yuen Factory—Szechuen. Silk Threads.
 Hang Ysoon Kin—Honan. Silk Fabrics.
 Hankow City—Hupeh. Silk Threads.
 Heung Oak Tsai—Hupeh. Silk Threads.
 Hip An Silk Factory—Kiangsu. Silk Threads.
 Hip Lun—Kwangtung. Silk Threads.
 Hip Lun Hing—Kwangtung. Silk Threads.
 Hip Yu Wing—Honan. Silk Fabrics.
 Ho Kai Ping—Kiangsu. Silk Threads.
 Ho Kwen Hui—Kiangsu. Silk Fabrics.
 Ho Wan Chang—Kiangsu. Silk Fabrics.
 Hom Yu Ching—Kiangsu. Silk Threads.
 Honan Ex. Asso.—Honan. Silk Fabrics.
 Hong Yu Lung—Kiangsu. Silk Fabrics.
 Hop Kee—Chekiang. Silk Fabrics.
 Hop Sing Kung—Honan. Silk Fabrics.
 Hou Dai Soong Tsun San—Kiangsu. Silk Fabrics.
 Hsia Chu Siang—Chekiang. Silk Threads.
 Hsia Hang Sang—Kiangsu. Silk Fabrics.
 Hsia Hang Sun—Kiangsu. Silk Fabrics.
 Hsia Hui Sang—Kiangsu. Silk Fabrics.
 Hu Cho Choi—Hupeh. Silk Fabrics.
 Hu Tai Shem—Kiangsu. Silk Threads.
 Hu Yout Sing—Chekiang. Silk Fabrics.
 Hu Yut Ching—Chekiang. Silk Threads.
 Hua Chang Co.—Kiangsu. Silk Fabrics.
 Hua Suen Tai Silk Factory—Kiangsu. Silk Threads.
 Hung Fook Wing—Szechuen. Silk Fabrics.
 Hung Wing—Kiangsu. Silk Fabrics.
 Jan Cheong Silk Factory—Kiangsu. Silk Threads.
 Jan Chong Yu Silk Factory—Kiangsu. Silk Threads.
 Jan Sun Factory—Kiangsu. Silk Threads Twisted.
 Jan Tung Co.—Chekiang. Silk Fabrics.
 Jan Yip Institute For Girls—Hupeh. Silk Threads.
 Jan Yu Silk Factory—Kiangsu. Silk Threads.
 Jick Kai District—Anhui. Silk Threads.
 Jing Cheong Sing—Chekiang. Silk Fabrics.
 Jiu Yu Silk Co.—Kiangsu. Silk Fabrics.
 Jok King Sui—Chekiang. Silk Threads.
 Jok Shan—Hupeh. Silk Threads.
 Jow Chun Yu—Kiangsu. Silk Fabrics.
 Kai-Feng Agricultural School—Honan. Silk Threads.
 Kai-Feng Model Factory—Honan. Silk Fabrics.
 Kai-Feng Silk Industrial Asso.—Honan. Silk Threads.
 Kan-Li Hsien—Hupeh. Silk Threads.
 Keep Hsien Agricultural School—Honan. Silk Threads.
 Keong Ki Shan—Fentien. Silk Threads.
 Kiangsu Exhibits Ass'n, Kiangsu. Raw Silk.
 Ki Chun—Hupeh. Silk Threads.
 Kiang Ging Poo—Chekiang. Silk Fabrics.
 Kiang Ling—Hupeh. Silk Threads.
 Kiang-Ning Silk Asso.—Kiangsu. Silk Fabrics.
 Kiangshan Ex. Asso.—Chekiang. Silk Threads.
 Kiangsu Chamber of Com.—Kiangsu. Silk Fabrics.
 Kiang-Tu Chamber of Com.—Kiangsu. Silk Fabrics.
 Kien Kong Silk Factory—Kiangsu. Silk Threads.
 Kien Sang Factory—Kiangsu. Silk Threads.
 Kin Kiang Silk Factory—Szechuen. Silk Threads.
 Kin Shah Yuen—Chekiang. Silk Fabrics.
 Kin Tan Silk Co.—Kiangsu. Silk Threads.
 Kin Wai Kung—Chekiang. Silk Fabrics.
 Kin Wan Sing—Chekiang. Silk Fabrics.
 King Chong Silk Factory—Kiangsu. Silk Threads.
 King Kee—Kiangsu. Silk Threads.
 King Sing Silk Factory—Kiangsu. Silk Threads.
 Koh Kin Hua—Chekiang. Silk Fabrics.
 Koh Suet Gee—Kiangsu. Silk Threads.
 Koh Wu Ching—Kiangsu. Silk Fabrics.
 Kong Cheong Yuen—Chekiang. Silk Threads.
 Kuen Yuen—Kiangsu. Silk Threads.
 Kung Po Woh—Shantung. Silk Threads.
 Kuo Wen Shan—Szechuen. Silk Fabrics.
 Kwang Chong—Kwangtung. Silk Threads.
 Kwang Chong Sing—Kiangsu. Silk Fabrics.
 Kwang Woh Cheong—Kwangtung. Silk Threads.
 Kwang Woh Hang—Kwangtung. Silk Thread.
 Kwang Woh Hing—Kwangtung. Silk Thread.
 Kwangchow Silk Investigation Society—Kwangtung. Silk Threads.
 Kwei Tsun—Kiangsu. Silk Threads.
 Lai Fung—Hupeh. Silk Threads.
 Lau King Fui—Chekiang. Silk Threads.
 Lee Chit Ching—Kiangsu. Silk Fabrics.
 Lee Fang Ching—Kiangsu. Silk Fabrics.
 Lee Fook Len—Anhui. Silk Threads.
 Lee Hang Deh—Chekiang. Silk Threads.
 Lee Jing Ching—Szechuen. Silk Fabrics.
 Lee Keong Ting—Kiangsu. Silk Fabrics.
 Lee Siu Pah—Fentien. Silk Threads.
 Lee Soon Hop—Shantung. Silk Fabrics.
 Lee Yan Tsai—Szechuen. Silk Fabrics.
 Li Chen—Hupeh. Silk Threads.
 Li Chong Silk Factory—Kiangsu. Silk Threads.
 Li Foon Chang—Chekiang. Silk Fabrics.
 Lim-An Chamber of Com.—Chekiang. Silk Threads.
 Lim-An Ex. Asso.—Chekiang. Silk Threads.
 Ling Chun Mok—Chekiang. Silk Threads.
 Ling Yu Chong—Chekiang. Silk Fabrics.
 Lio Lung Sing—Kiangsu. Silk Fabrics.
 Liu Ching Kee—Kiangsu. Silk Fabrics.
 Liu Foon Yu—Chekiang. Silk Fabrics.
 Liu Tze Sing—Hupeh. Silk Fabrics.
 Liu Yick Ching—Kiangsu. Silk Fabrics.
 Liu Yin Fui—Anhui. Silk Threads.
 Lo Chung Foo—Chekiang. Silk Fabrics.
 Lo Fook An—Szechuen. Silk Fabrics.
 Lo Tien Bo—Hupeh. Silk Fabrics.
 Lor Chai Chang—Hupeh. Silk Fabrics.
 Lor Yin Chang—Chekiang. Silk Threads.
 Lu Bing Chow—Chekiang. Silk Threads.
 Lu Chuck Ming—Chekiang. Silk Threads.
 Lu King Hu—Kiangsu. Silk Fabrics.
 Luh Tai Chong—Kiangsu. Silk Fabrics.
 Luh Wai Chow—Chekiang. Silk Fabrics.
 Lun Woh—Kiangsu. Silk Fabrics.
 Lun Yuk Keng—Shantung. Silk Fabrics.
 Lung Chong—Kiangsu. Silk Threads.
 Lung Chong Tsang—Kiangsu. Silk Threads.
 Lung Tai Tze Hoh—Chekiang. Silk Threads.
 Lung Wing Ching—Kiangsu. Silk Fabrics.
 Mah Sen Heung—Chekiang. Silk Threads.
 Mah Yuk Yan—Szechuen. Silk Fabrics.
 McMullan, James H. Co., Ltd.—Chief Pongsook, V. L., 1st St., bet. Ave. C & Model Silk Factory—Szechuen. Silk Fabrics.
 Moh Mow Tsung—Kiangsu. Silk Fabrics.
 Moi Ngor Ching—Chekiang. Silk Threads.
 Moi Tze Woh—Chekiang. Silk Threads.
 Mok Yau Bong—Hupeh. Silk Threads.
 Mun Yok Sen—Chekiang. Silk Threads.
 Nan Chang—Hupeh. Silk Threads.
 Nan-Wai Silk Asso.—Kiangsu. Silk Fabrics.
 Nook Sing—Hupeh. Silk Threads.
 Or Yick Sun—Chekiang. Silk Fabrics.
 Ping Ming Factory—Hupeh. Silk Fabrics.
 Ping Ming Occupational Institute—Kiangsu. Silk Threads Twisted.
 Po Tien Hang—Kwangtung. Silk Threads.
 Poo Ki—Hupeh. Silk Threads.
 Poon Bo—Chekiang. Silk Threads.
 Poon Ching Kan—Chekiang. Silk Fabrics.
 Poon Hui San—Chekiang. Silk Fabrics.
 Poon Sing Kien—Chekiang. Silk Fabrics.
 Poon Wan Sang—Chekiang. Silk Threads.
 Sai Ching Fook—Kiangsu. Silk Threads.
 San Wen Factory—Honan. Silk Threads.

- Second Provincial Industrial Station—Kiangsu. Silk Fabrics.
- Sek Hang Mow—Kiangsu. Silk Fabrics.
- Shantung Agr. School—Shantung. Silk Threads.
- Shem Tai Silk Factory—Kiangsu. Silk Threads.
- Shen Chew—Chekiang. Silk Fabrics.
- Shen Hang Ching—Szechuen. Silk Fabrics.
- Shen Hang Sun—Szechuen. Silk Fabrics.
- Shen Sik Mang—Szechuen. Silk Fabrics.
- Shen Tung—Szechuen. Silk Fabrics.
- Shen Wing Ki—Szechuen. Silk Threads.
- Shu Bing Soon—Kiangsu. Silk Fabrics.
- Shu Gee Chun—Kiangsu. Silk Fabrics.
- Shu Gee Chun Hip Kee—Kiangsu. Silk Fabrics.
- Shu Hip Kee—Kiangsu. Silk Fabrics.
- Shu Jan Dong—Anhui. Silk Threads.
- Shu Man Tai—Kiangsu. Silk Fabrics.
- Shu Sai Ching—Kiangsu. Silk Threads.
- Shu Tien Chong—Kiangsu. Silk Fabrics.
- Shu Tung Woh—Chekiang. Silk Fabrics.
- Shu Yu Chong—Chekiang. Silk Threads.
- Shu Yuen Cheong—Chekiang. Silk Fabrics.
- Sih Ki—Chekiang. Silk Fabrics.
- Sim-Yang Silk Industrial School—Honan. Silk Threads.
- Sing Kee—Kiangsu. Silk Fabrics.
- Sing Sang Lee—Shantung. Silk Threads.
- Siu Sun Co., Ltd.—Hupei. Silk Fabrics.
- Soak Yang Silk Co.—Kiangsu. Silk Threads.
- Sueh Sing Tsun—Fentien. Silk Fabrics.
- Sui Hing Chong—Kwantung. Silk Threads.
- Sun Chang Ching—Chekiang. Silk Threads.
- Suk Mei Silk Factory—Szechuen. Silk Threads.
- Suk Sui Chamber of Com.—Kiangsu. Silk Threads.
- Sun Chong Silk Factory—Kiangsu. Silk Threads.
- Sun Keh Ching—Kiangsu. Silk Fabrics.
- Sun Wui Yuen—Kiangsu. Silk Fabrics.
- Tai-Ching Chamber of Com.—Kiangsu. Silk Fabrics.
- Tai Chong Fook—Kiangsu. Silk Threads.
- Tai Han Ching Co., Kiangsu. Raw Silk.
- Tai Kong—Kiangsu. Silk Threads.
- Tai Kong Gue—Kiangsu. Silk Threads.
- Tang Sou Ching—Chekiang. Silk Threads.
- Tang Yuen Soon—Anhui. Silk Threads.
- Tcheng Giang Yu—Kiangsu. Silk Threads.
- Tcheng Han Ching—Chekiang. Silk Fabrics.
- Tcheng Man Soon—Kiangsu. Silk Fabrics.
- Tchong Tse Ting—Kiangsu. Silk Threads.
- Tien Mun—Hupei. Silk Threads.
- Tien Sing Yok—Honan. Silk Fabrics.
- Tien Soon Sing—Honan. Silk Fabrics.
- Tien Ting Tsun—Kiangsu. Silk Threads.
- Toh Shew Shan—Kiangsu. Silk Fabrics.
- Toh Tsue Mow—Kiangsu. Silk Fabrics.
- Tsai Ngan Fah—Kiangsu. Silk Fabrics.
- Tsang Yuen Sing—Szechuen. Silk Fabrics.
- Tsao Ming Kee—Kiangsu. Silk Threads.
- Tsao Sang Mow—Kiangsu. Silk Fabrics.
- Tsu Sing Chang—Shantung. Silk Threads.
- Tsung-Yang Chamber of Com.—Chekiang. Silk Threads.
- Tu King Chien—Kiangsu. Silk Fabrics.
- Tuen Yu Tai—Hupei. Silk Fabrics.
- Tung-An Ex. Asso.—Kwantung. Silk Threads.
- Tung-Ching Agri. Society—Chekiang. Silk Threads.
- Tung Dai Silk Factory—Kiangsu. Silk Threads.
- Tung Sum Wing—Honan. Silk Fabrics.
- Tung Tai Woh—Shantung. Silk Threads.
- Tung Wai Cord Factory—Kiangsu. Silk Threads.
- Tung Wok Tai—Shantung. Silk Threads.
- Wai Gee Ching—Kiangsu. Silk Threads.
- Wai Han Chang—Hupei. Silk Fabrics.
- Wai Sing Co.—Chekiang. Silk Fabrics.
- Wai Yuen Chamber of Com.—Anhui. Silk Threads.
- Wan Kee—Kiangsu. Silk Threads.
- Wan Mong—Hupei. Silk Threads.
- Wang Chi Lung—Kiangsu. Silk Threads.
- Wang Gai An—Kiangsu. Silk Fabrics.
- Wang Hong Tse—Chekiang. Silk Threads and Silk Fabrics.
- Wang Man Ching—Hupei. Silk Fabrics.
- Wang Sing Wing—Honan. Silk Fabrics.
- Wang Tien Shew—Hupei. Silk Fabrics.
- Wang Wai Yung—Chekiang. Silk Threads.
- Wang Wing Ching—Hupei. Silk Fabrics.
- Wang Wing Chong—Honan. Silk Fabrics.
- Wang Yick An—Kiangsu. Silk Fabrics.
- Wang Yu Fung Woh Kee—Kiangsu. Silk Fabrics.
- Wang Yung Yuen—Kiangsu. Silk Fabrics.
- Wen Chew Kong—Fentien. Silk Fabrics.
- Wen Hua Factory—Kiangsu. Silk Fabrics.
- Whang Bing Him—Chekiang. Silk Threads.
- Whang Bing Kin—Kiangsu. Silk Threads.
- Whang Bow Ying—Chekiang. Silk Threads.
- Whang Kuen Kee Factory—Kiangsu. Silk Threads.
- Whang Poo—Hupei. Silk Threads.
- Whang Tse Ting—Kiangsu. Silk Threads.
- Wing Ching Factory—Kiangsu. Silk Fabrics.
- Wing Ching Hop—Kiangsu. Silk Fabrics.
- Wing Ching Lung—Shantung. Silk Fabrics.
- Wing Ching Tai Wen Kee—Kiangsu. Silk Fabrics.
- Wing Chong Deh—Hupei. Silk Fabrics.
- Wing Hang Chong—Kiangsu. Silk Fabrics.
- Wing Hing Sing—Kwantung. Silk Threads.
- Wing Mow Sing—Hupei. Silk Threads.
- Wing Soon Sang—Hupei. Silk Fabrics.
- Wing-Yang Silk Industrial Asso.—Honan. Silk Threads.
- Wing Soon Woh—Kiangsu. Silk Threads.
- Wong Sih Ging—Kiangsu. Silk Fabrics.
- Wong Sing Yih—Kiangsu. Silk Fabrics.
- Wong Tsun Gong—Kwantung. Silk Threads.
- Wu Din Tsai—Chekiang. Silk Threads.
- Wu Ding Luh—Kiangsu. Silk Fabrics.
- Wu Fook Si—Honan. Silk Fabrics.
- Wu Kwok Ki—Anhui. Silk Threads.
- Wuchang Hsien—Hupei. Silk Threads.
- Wuchang Silk Institute—Hupei. Silk Threads.
- Wu-Ching Ex. Asso.—Chekiang. Silk Threads.
- Wuchong City—Hupei. Silk Threads.
- Wu Deh Tai—Kiangsu. Silk Fabrics.
- Wu-Sih Weaving Factory—Kiangsu. Silk Fabrics.
- Wu Wui Tung—Kiangsu. Silk Threads.
- Wu Yin Sun—Chekiang. Silk Threads.
- Yan Woh—Kiangsu. Silk Fabrics.
- Yang Chung Kiang—Chekiang. Silk Threads and Silk Fabrics.
- Yang Jut Poo—Chekiang. Silk Threads.
- Yang Po Shan—Shantung. Silk Fabrics.
- Yang Wu Ting—Chekiang. Silk Fabrics.
- Yang Yoe Chuen—Chekiang. Silk Threads.
- Yang Yu Lung—Kiangsu. Silk Fabrics.
- Yau Kwong Yeu—Chekiang. Silk Fabrics.
- Yau Sek An—Chekiang. Silk Threads.
- Yau Seu Yam—Chekiang. Silk Threads.
- Yee Lun Co.—Kwantung. Silk Fabrics.
- Yee Tai Cheung—Kwantung. Silk Fabrics.
- Yen Chew Lim—Chekiang. Silk Fabrics.
- Yen Tung Soon—Chekiang. Silk Fabrics.
- Yick Sing Deh—Honan. Silk Fabrics.
- Yick Yuen Sang—Kiangsu. Silk Fabrics.
- Yin Chong Hang Silk Factory—Kiangsu. Silk Threads.
- Yin Yang—Hupei. Silk Threads.
- Ying-Sing Hsien—Hupei. Silk Threads.
- Ying Yu Wai—Chekiang. Silk Fabrics.

Yip Fook Tai—Hupeh. Silk Fabrics.
Yok Fung Cheong—Honan. Silk Fabrics.
Yu Cheong Chu—Fentien. Silk Threads.
Yu Cheong Silk Factory—Kiangsu. Silk Threads.
Yu Chi Deh Kee—Kiangsu. Silk Threads.
Yu Chi Tai Deh Kee—Kiangsu. Silk Fabrics.
Yu Ching Wing—Hupeh. Silk Fabrics.
Yu Chong—Kiangsu and Shantung. Silk Threads.
Yu Chong Co.—Shantung. Silk Threads.
Yu Dai—Kiangsu. Silk Fabrics.
Yu Foo Co.—Honan. Silk Fabrics.
Yu Fung Deh—Shantung. Silk Threads.
Yu Fung Zsoon—Kiangsu. Silk Fabrics.
Yu Hop Sing—Honan. Silk Fabrics.
Yu Koh—Kiangsu. Silk Fabrics.
Yu Kong Cheong—Hupeh. Silk Fabrics.
Yu Kong Cheong—Kiangsu. Silk Fabrics.
Yu Kong Silk Factory—Kiangsu. Silk Threads.
Yu Lee Hang—Honan. Silk Fabrics.
Yu Lung Shem—Kiangsu. Silk Threads.
Yu Sing Wing Kin Kee—Kiangsu. Silk Threads.
Yu Sing Yuen—Honan. Silk Fabrics.
Yu Sun Kee—Kiangsu. Silk Fabrics.
Yu Tai Fung—Honan and Kiangsu. Silk Fabrics.
Yu Tai Fung—Kiangsu. Silk Fabrics.
Yu Tai Sing—Kiangsu. Silk Fabrics.
Yu Wen Sing—Fentien. Silk Threads.
Yu Woh Silk Factory—Kiangsu. Silk Threads.
Yu Woh Yan—Kiangsu. Silk Threads.
Yu Woo Chamber of Com.—Chekiang. Silk Threads.
Yuen Nan An—Chekiang. Silk Fabrics.
Yuen An—Hupeh. Silk Threads.
Yuen Chong Cheong—Kiangsu. Silk Threads.
Yuen Git Chong—Kiangsu. Silk Fabrics.
Yuen Git Sang—Hupeh. Silk Fabrics.
Yuen Kong Silk Factory—Kiangsu. Silk Threads.
Yuen Sing Silk Factory—Kiangsu. Silk Threads.
Yuen Sing Wing—Shantung. Silk Threads.
Zsoon Sang Mow—Szechuen. Silk Fabrics.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Bureau of Industries—Szechuen. Embroidery.
Chai Hu Shih—Chekiang. Embroidery.
Chang Hang Gim—Shantung. Lace.
Chang Hang Kwei—Shantung. Lace.
Chang Hung Ching—Kiangsu. Embroidery.
Chang Jing Lau—Kiangsu. Embroidery.
Chang Lan Sek—Kiangsu. Embroidery.
Chang Yuan Ching—Chekiang. Embroidery.
Chang Yuk Sen—Chili. Embroidery.
Chen Chu Shih—Chekiang. Embroidery.
Chen Kwei Ling—Chekiang. Embroidery.
Ching Sen Chang—Chili. Embroidery.
Choi Wan—Hunan. Embroidery.
Chow Yau Chun—Kiangsu. Embroidery.
Chu Sui Lok—Kiangsu. Embroidery.
Chun Sun—Kwangtung. Embroidery.
Chung Chaw Factory for Women—Honan. Embroidery.
Chung Sied Ying—Chekiang. Embroidery.
Chung Suk San—Chekiang. Embroidery.
Dea Po San—Shantung. Lace.
Fong Soo Ngah—Kiangsu. Embroidery.
Fong Ting Lan—Chekiang. Embroidery.
Gee Goid Hui—Chekiang. Embroidery.
Goong Ching Woh—Chili. Embroidery.
Hang Hing Lun—Kwangtung. Embroidery.
Hang Lin (Miss)—Kiangsu. Embroidery.
Ho Suk Ying—Chekiang. Embroidery.
Ho Wan Chang—Kiangsu. Embroidery.
Hu Ching Pog—Shantung. Lace.
Hu Oil Kim—Chekiang. Embroidery.
Hua Yu (Miss)—Kiangsu. Embroidery.

Hui Deh Tsung—Chekiang. Embroidery.
Hunan Ex. Asso.—Hunan. Embroidery.
Kai-fong Yamen—Honan. Embroidery.
Kiang Wan Shih—Chekiang. Embroidery.
Kin Tsing Fan (Miss)—Kiangsu. Embroidery.
Kin Yu Tong—Chekiang. Embroidery.
Kin Wan—Hunan. Embroidery.
Koh Jan Chu—Shantung. Lace.
Kuan Woh Sun—Kwangtung. Embroidery.
Kuo Ding Wai—Kiangsu. Embroidery.
Kwang Yan Tong Factory for Women—Chili. Embroidery.
Kwangtung Ex. Asso.—Kwangtung. Embroidery.
Kwok Foo Tong—Szechuen. Embroidery.
Lee Deh Wang—Chili. Embroidery.
Lee Tsun Ying—Chili. Embroidery.
Lee Tze Yuen—Shantung. Lace.
Lee Yuiin—Kiangsu. Embroidery.
Lin Yan Ching—Chekiang. Embroidery.
Lin Ying—Chekiang. Embroidery.
Lin Yuet—Chekiang. Embroidery.
Lin Yuk Ching—Chekiang. Embroidery.
Lin San Deh—Chili. Embroidery.
Liu Wan Chung—Chili. Embroidery.
Lu Moh Ngan—Kiangsu. Embroidery.
Lu Moi Sang—Chekiang. Embroidery.
Lu Tsing Tse—Kiangsu. Embroidery.
Lu Yu Kum—Chekiang. Embroidery.
Lun Yuk Keng—Shantung. Lace.
Man Hung Chang—Kiangsu. Embroidery.
Man Lee Yuen—Kiangsu. Embroidery.
McMullan, James H. Co., Ltd.—Chefoo. Laces, V. 1., 1st St., bet. Ays. C & D.
Nie Chi Kwei—Kiangsu. Embroidery.
Nie Chi Tse—Kiangsu. Embroidery.
Poon Kwei Ying—Chekiang. Embroidery.
Poon Sai Liang—Chekiang. Embroidery.
Sales' Depot of Industrial Articles—Chili. Embroidery.
Sek-men District School for Girls—Chekiang. Embroidery.
Seung Tze Soon—Chili. Embroidery.
Shen Hang Lin—Chekiang. Embroidery.
Shen Ngah Hua—Chekiang. Embroidery.
Shen Sui Fung—Chekiang. Embroidery.
Shen Yok Ying—Chekiang. Embroidery.
Shu Sin Ki—Chekiang. Embroidery.
Shu Yee—Chekiang. Embroidery.
Shu Yin Yau—Chekiang. Embroidery.
Shu Wu—Chekiang. Embroidery.
Siang Kiang (Miss)—Honan. Embroidery.
Siang Wan—Kiangsu. Embroidery.
Siang Yee Lau—Hunan. Embroidery.
Sih But—Chekiang. Embroidery.
Sih But—Chiang. Embroidery.
Sih Sing Deh—Kiangsu. Embroidery.
Soo Kuo Tsai—Hunan. Embroidery.
Soon Fat—Kwangtung. Embroidery.
Sou Moi—Chekiang. Embroidery.
Su Yu Fu—Shantung. Lace.
Sui Fu Cheung—Chili. Embroidery.
Srk Ying—Chekiang. Embroidery.
Sun Jue—Kiangsu. Embroidery.
Sun Tai Hang—Kiangsu. Embroidery.
Sun Ting Jing—Chekiang. Embroidery.
Sung Lin—Chili. Embroidery.
Tang Sui Yek—Chekiang. Embroidery.
Tien Ching Wing—Chili. Embroidery.
Tien Yu Ching—Chili. Embroidery.
Tim Wha Kuan—Hunan. Embroidery.
Tsai Hei Ying—Chekiang. Embroidery.
Tain Chu Hung—Chekiang. Embroidery.
Tsun Cheang Hip Kee—Kiangsu. Embroidery.
Tsung (Miss)—Kiangsu. Embroidery.
Tu Ho Ling—Shantung. Lace.
Tun Kin Chong—Kiangsu. Embroidery.
Tung Soon Lee—Chili. Embroidery.
Wai Tai Sing—Kwangtung. Embroidery.
Wang Bo Sing—Chekiang. Embroidery.
Wang Fung Kin—Kiangsu. Embroidery.
Wang Fung Lin—Kiangsu. Embroidery.
Wang Kong Tse—Chekiang. Embroidery.

Wang Kung Gee—Kwangtung. Embroidery.
 Wang Shum Mok—Chekiang. Embroidery.
 Wang Yuen Chuck—Shantung. Lace.
 Wang Yuk Yu—Kiangsu. Embroidery.
 Wuching Embroidery Society—Kiangsu. Embroidery.
 Wui Fang—Kiangsu. Embroidery.
 Wunth Embroidery Society—Kiangsu. Embroidery.
 Yang Po Shan—Shantung. Lace.
 Yang Tsung Ting—Chili. Embroidery.
 Yan Lun—Kwangtung. Embroidery.
 Yan Yu (Miss)—Kiangsu. Embroidery.
 Yen Ging Hung—Chekiang. Embroidery.
 Yip Hui—Kiangsu. Embroidery.
 Yeeh Yuk—Chekiang. Embroidery.
 Yu Dek Wan—Kwangtung. Embroidery.
 Yu Fung Co.—Shantung. Lace.
 Yu Kwok Factory for Women—Honan. Embroidery.
 Yu Sou Factory for Women—Shantung. Lace.
 Yuen Fung Chong—Kiangsu. Embroidery.

GROUP 82

FURS AND SKINS, FUR CLOTHING;
LEATHER, BOOTS AND SHOES.

Chow Tsun—Honan. Furs and Skins.
 Fu Tsok Jan—Chili. Furs and Skins.
 Hsu Yuk Lin—Honan. Furs and Skins.
 Lee Fung Choi—Fentien. Furs and Skins.
 Lee Kwok Ching—Fentien. Furs and Skins.
 Liu Yuk Deh—Honan. Furs and Skins.
 Tung Yan Tai—Fentien. Furs and Skins.
 Wang Han Ching—Chili. Furs and Skins.
 Yang Jan Dong—Honan. Furs and Skins.
 Yu Tsu Chang—Honan. Furs and Skins.

GROUP 83

VARIOUS INDUSTRIES CONNECTED WITH
CLOTHING.

Chang Dai Yau—Chekiang. Fans.
 Chang Kwei—Chekiang. Fans.
 Chen Tse Jing—Chili. Fans.
 Ching-hsien Magistrate—Chili. Hats and Straw Braids.
 Chong Lok (Miss)—Shantung. Hair Nets.
 Dea Po San—Shantung. Hair Nets.
 Ding Sing Kai—Chekiang. Fans.
 Export Trading Association, Nanking. Human Hair.
 Fentien Ex. Asso.—Fentien. Feathers.
 Fong Tsun Kee—Kwangtung. Feathers.
 Fu-tau-ngai Chamber of Com.—Shantung. Straw Braids.
 Gee Weid Hui—Chekiang. Fans.
 Hip Yip Co.—Kwangtung. Fans.
 Ho Kum Tong—Kwangtung. Hats.
 Hui-ming-hsien Straw Braids Co.—Shantung. Straw Braids.
 Kwang Tai Hoo—Honan. Straw Braids.
 Kwang Wen Sing—Honan. Straw Braids.
 Kwang-yen District—Shantung. Hair Nets.
 Kwangtung Co. Asso.—Kwangtung. Fans.
 Lee Hung Sui—Chekiang. Fans.
 Lee Kai Ting—Kwangtung. Fans.
 Lee Su Yu—Kwangtung. Fans.
 Lee Tsun Yins—Chili. Fans.
 Lia Yiu Sih—Shantung. Hair Nets.
 Lam Seok Mun—Kwangtung. Fans.
 New Kwong Dou—Chili. Straw Hats.
 Po Kee Straw Hats Co.—Chili. Hats and Straw Braids.
 Pong Fung Ting—Chili. Fans.
 Seh-he-jan Chamber of Com.—Shantung. Straw Braids.
 Shi Wing Chuen—Chekiang. Fans.
 Shih-jing District—Chili. Straw Braids.
 Shi-jing—Chili. Fans.
 Commercial Museum—Chili. Straw

Tsung-hsien Chamber of Com.—Chili. Hats and Straw Braids.
 Tu He Ling—Shantung. Straw Braids.
 Tung Tsu Woh—Shantung. Straw Braids.
 Wang Chuen Hsien—Hwang Yai, Chekiang. Bamboo Hat.
 Wang Jok Lin—Chili. Fans.
 Wang Pah Hang—Chili. Fans.
 Wang Wan Dih—Honan. Straw Braids.
 Wang Wen Lun—Chili. Straw Braids.
 Wing Deh Co.—Shantung. Hair Nets.
 Yuen Ching Hop—Honan. Straw Braids.
 Yick Chung Co.—Shantung. Hair Nets.
 Yuk-ten District—Chili. Hats and Straw Braids.

Location: Chinese Pavilion, The Esplanade,
near Canadian Pavilion

GROUP 45

CUTLERY

Foo Foo Ngan—Yui Kan, Kiangsi. Scissors.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS'
WARE

Ching Kwong Kee—Kwangtung. Enameled brass wares.
 Kwangtung Ex. Asso.—Kwangtung. Silver pagoda and tower.
 Ngan Yee Wo—Kwangtung. Tin cup, cigarette boxes.
 Ting Nian Ting—Wei Hsien, Shantung. Inlaid Cigarette Case.

GROUP 47

JEWELRY

Chow Moi Koh—Chekiang. Jade screens.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR
ORNAMENTAL DESIGN THAN FOR
THEIR UTILITY

Ho Yin Nang—Kwangtung. Copper coins of a hundred emperors.
 Kao Chia Chin—I Shiu Hsien, Shantung. Carved Peach Stone.
 Ku Hsi Chun—Chu Fu Hsien, Shantung. Carved Wooden Scepter.
 Lee Han Ching—Kwangtung. Tree made of old copper coins. Picture of old fountain made of paper and copper.
 Ting Nian Ting—Wei Hsien, Shantung. Carved Peach Stone.
 Wan Terk Wan—Kwangtung. Glass screen.
 Yu Koh—Kiangsu. Velvet woven pictures.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MAR-
BLE, BRONZE, CAST IRON AND
WROUGHT IRON

An Tai Sui—Kwangtung. Round marble screen.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES,
FANCY ARTICLES AND BASKET
WORK

Chen Chew Yang—Chekiang. Bamboo basins.
 Chien Yuen Fuh—Chekiang. Reed curtains.
 Chung Sam Wo—Kwangtung. Painted scenes on shells.
 Chu Wei—Cheu District, Chekiang. Flower Basket.
 Chamber of Commerce—Sung Yang, Chekiang. Bamboo Basket.

Cheng Chao Yang—Ping Yang, Chekiang. Bamboo Wash Basin.
Fan Yuen Tai and **Chiu Hui An**—Chekiang. Bamboo curtains.
Hing Yip Co.—Kwangtung. Brass bowls, vases, etc.
Hwang An Lan—Chekiang. Bamboo panel.
Ho Ben Shen—Sien Dru, Chekiang. Bamboo. Industrial Institute—Kah Shien, Chekiang. Rice Sifter.
Industrial Institute—Sung Yang. Octagonal Basket.
Lam Kau Kee—Kwangtung. Tooth brushes.
Lau Kong Tsang—Chekiang. Bamboo fishing and flower baskets.
Liu Kwong Tsien—Hwang Yai, Chekiang. Baskets.
Ping Ming Industrial School of Tsung-Yang—Chekiang. Octagonal bamboo basket.
Ping Ming Industrial School of Wu-Yu—Chekiang. Bamboo basket, curtains.
Shu Tsu Yu—Chekiang. Bamboo baskets.
Shu Yu Chong—Chekiang. Bamboo hand case.
Shen Yang Hwei—Kin Sang, Chekiang. Flower Basket.
Tcheng Sui Ki—Chekiang. Flower baskets.
Tien Tze Ching—Wei Hsien, Shantung. In-laid Picture.
Tsi Sze Kien—Nan Fung, Kiangsi. Incense Burner.
Tsi Tai Yh—Kiang Sang, Chekiang. Bamboo Basket.
Wang Sam Mok—Chekiang. Model of sieve.
Wong Fang Hui—Kwangtung. Laquer round table tea poy.
Wong Sang Moh—Kah Shien, Chekiang. Bamboo Tray.
Wong Shao Chin and **Tsiang Rea Tsao**—Ling Hai, Chekiang. Bamboo Tray.
Woo Yung Sung—Tung Hsiang, Chekiang.
Woo Shiu Feng—Ren Ho, Chekiang. Bamboo Basket.
Wu Sih Fan—Chekiang. Bamboo baskets.
Yau Wai—Chekiang. Cane flower basket.

GROUP 53

ARTICLES FOR TRAVELING AND FOR CAMPING, INDIA RUBBER AND GUTTA PERCHA INDUSTRIES

Sun Kong Ning and **Sun Kong Fang**—Chekiang. Leather trunk.
Liu Teh Yu Trunk Co.—Hangchow, Chekiang. Trunks.

GROUP 56

TOYS

Hing Yip Co.—Kwangtung. Paper toys.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

Au Tai Sui—Kwangtung. Black Wood Furniture.
Chan Ho Chow—Kwangtung. Black Wood Chair.
Chang Hui—Kiangsu. Silk Embroidered Screen.
Chang Hung Harin—Poyang, Kiangsi. Var-nished Hat Stands.
Chang Wing Ho—Chekiang. Wooden Buck-ets, Wardrobes.
Choi Pui Mun—Kwangtung. Black Wood Furniture.
Chow Hing—Kwangtung. Black Wood Furniture.
Chow Moi Koh—Chekiang. Wooden Screen.
Chow, M. K.—Chekiang. Carved Wood Furniture.

Chu Tsang Chun—Chekiang. Bamboo and Wooden Chairs and Tables.
Fang Yuen Tai—Foo Yang, Chekiang. Bam-boo Screen.
Foh Kang Furniture Co.—Ningpo, Chekiang. Cupboards and Ladles.
Fow Loong Co.—Kwangtung. Black Wood Furniture.
Ho Ben—Kien Deh, Chekiang—Bamboo screen.
Industrial Institute—Woo Yh, Chekiang. Bam-boo Screen.
Industrial Institute—Fung Hwah, Chekiang. Bamboo Table and Chairs.
Lam Chung—Kwangtung. Black Wood Fur-niture.
Ng Sheung—Kwangtung. Black Wood Flower Stand and Stools.
Ping Ming Factory—Chekiang. Dresser.
Ping Ming Industrial School of Fung-Wah—Chekiang. Bamboo Furniture.
Shang Gook Co.—Kwangtung. Cane Desk and Chairs.
Siu Wing Fang—Kirin. Folding Screens.
Sun Kong Ning and **Sun Kong Fang**—Chekiang. Furniture.
Sun Kang Ning—Ning Po, Chekiang. Pear Tree Wood.
Tsien Yuen Foo—Woo Kang, Chekiang. Bam-boo Screen.
Wang Jan Hai and **Wang Chi Chun**—Kirin. Wooden Furniture.
Wing Fung Co.—Kwangtung. Teak Wood Screen and Lions.
Wu Shee Industrial Factory—Chenghsien, Che-kiang. Furniture of Bamboo.
Yulin Factory—Kaifeng, Honan. Bamboo Furniture.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Ho Wing—Chekiang. Bamboo.
Shu Yong Cheung—Chekiang. Mats.
Sih Hip Ching—Chekiang. Mats.

GROUP 65

UPHOLSTERERS' DECORATIONS

Shang Cock Co.—Kwangtung. Silk Flags.

GROUP 66

CERAMICS

Au Tai Sui—Kwangtung. Burnt Clay Eagles.
Cheung Yuk—Kwangtung. Porcelain Articles.
Chen Yu Porcelain Co.—Kaifeng, Honan. "Chun" Porcelain.
Lam Chin Ching—Chekiang. Stone Bowls.
Lo Tse Yeu—Kwangtung. Porcelain Vase.
Shen Tung Ho—Shanghai. Chinese Porcelain.
Shen Tun Ho and **Shen Tinschen**—Kiangsu. Porcelain Articles.
The Po Hing Co.—Kwangtung. Porcelain Articles.
Kwangtung Ex. Asso.—Kwangtung. Earthen Vases.
Wang, Y. T.—Fukien. Porcelain.

GROUP 76

THREADS AND FABRICS OF COTTON

Chen Chang Lung & Co.—Liu Ling, Kiangsi. Cotton Cloth.
Chan Cho Mang—Kwangtung. Cotton and Linen Cloths.
Chan Chow Fong—Kwangtung. Cotton Cloths.
Hsin Tai Yh & Co.—Nanchang, Kiangsi. Cot-ton Cloth.
Tai Tai Ben & Co.—Nan Chang, Kiangsi. Cot-ton Cloth.
Wai Pock Chow—Kwangtung. Cotton Cloths.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC., CORDAGE

Chamber of Commerce—Whang Tsai, Kiangsi. Chinese Linen.
Chen Shen Shi—Lichuen, Kiangsi. Chinese Linen.
Chin Chren Jen & Co.—Nanchang, Kiangsi. Chinese Linen.
Exhibition Dept.—Shang Kao, Kiangsi. Chinese Linen.
Exhibition Dept.—Kwang Fung, Kiangsi. Chinese Linen.
Ngehmeo Tai & Co.—Nan Chang, Kiangsi. Chinese Linen.
Ben Fung Yui & Co.—Ying Hsien, Kiangsi. Chinese Linen.
Tah Chong Sing & Co.—Nanchang, Kiangsi. Chinese Linen.
Ting Chen Sing & Co.—Lohngan, Kiangsi. Chinese Linen.
Tsien Tai Tiang & Co.—Nanchang, Kiangsi. Chinese Linen.
Tsiang Hong—Ling Tuh, Kiangsi. Chinese Linen.
Woo Yh Ho Tah & Co.—Ngee Hwang, Kiangsi. Chinese Linen.

GROUP 79

SILK AND FABRICS OF SILK

Chen Ben Tao—Ling Chow, Kiangsi. White Silk.
Chih Chan Silk Co.—K'ing-Chan Fu, Szechuen. Silk.
Girls Silk Rasing School—Nanchang, Kiangsi. Raw Silk.
Kai Lin Silk Co.—Pao Ning Fu, Szechuen. Silk.
Tai Chong Silk Co.—San Tai Hsien, Szechuen. Silk.
Wild Silkworm Rasing Co.—Nan Cheng, Kiangsi. Wild Silk.
Yee Tai Cheung—Kwangtung. Colored Silks.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Chang Huin—Kiangsu. Silk Embroidered Pictures and Screen.
Chun Sun Co.—Kwangtung. Silk Embroidered Portrait of President Yan Shi-kai.
Kuan Wo Sin—Kwangtung. Silk Embroidered Curtains.
Shanghai Embroidery School—Shanghai. Embroidery.
Shantung Industrial Institute—Chinan, Shantung. Embroidered Picture.
Wai Tai Sing Co.—Kwangtung. Silk Embroidered Curtains and Screens.
Wang Sam Mok—Chekiang. Embroidery.
Wing Fung Co.—Kwangtung. Silk Embroidered Screens.
Wong Kung Gee—Kwangtung. Silk Embroidery.
Yau Lun Co.—Kwangtung. Silk Embroidered Curtains, Etc.
Yung Choi—Kwangtung. Drawn Work.

GROUP 82

FURS AND SKINS, FUR CLOTHING; LEATHER, BOOTS AND SHOES

Wang Fu Hom—Chekiang. Hats.

GROUP 83

VARIOUS INDUSTRIES CONNECTED WITH CLOTHING

Tai Ho Hosiery Co.—Kiangsi. Hosiery.
Tai Ho Sock Factory—Sung Kiang, Kiangsi. Silk Socks.
Yee Yuen—Kwangtung. Bamboo Canes.

Location: Agr. Pal., Av. C, bet. 2d & 4th Sts.

GROUP 47

JEWELRY

Hsia Foh Hsiang, Kiangsu Exhibits Ass'n—Kiangsu. Jewelry.
Wu Tsung Tai, Kiangsu Exhibits Ass'n—Kiangsu. Jewelry.

GROUP 70

SILKS AND FABRICS OF SILKS

Agriculture Exp. Sta.—Che Kiang. Raw Silk.
Bureau of Agriculture—Yunnan. Raw Silk.
Central Agricultural Experiment Sta.—Peking. Raw Silk.
Kiangsu Exhibits Ass'n—Kiangsu. Raw Silk.
Tai Han Ching Co.—Kiangsu. Raw Silk.

GROUP 83

VARIOUS INDUSTRIES CONNECTED WITH CLOTHING

Export Trading Association—Nanking. Human Hair.
Fine Arts Pal., China Section

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Pao Hua Leo—Peking. Cloisonne.
Lao Tien Li—Peking. Cloisonnes.
Yang Tien Li—Peking. Cloisonnes.
Teh Hsin Chen—Peking. Cloisonnes.
Teh Chang—Peking. Cloisonnes.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Yu Hsaun—Peking. Porcelains.
Yu Tso—Peking. Velvet Woven Pictures.
Wen Haun Kai—Peking. Gauze Lanterns.
Hsun Tsong Li—Peking. Porcelains.
Wang Teh Chang—Peking. Porcelains.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON

Wen Haun Kai—Peking. Gauze Lanterns.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Chuan San Ho—Peking. Shell Work.
Teh Chang—Peking. Lacquered Ware.
Kee Ku Kai—Peking. Lacquered Ware.

GROUP 54

HUNTING EQUIPMENT AND PRODUCTS OF HUNTING

Chuan San Ho—Peking. Shell Work.

GROUP 66

CERAMICS

Wang Teh Chang—Peking. Porcelains.
Hsun Tsong Li—Peking. Porcelains.
Yu Hsaun—Peking. Porcelains.

GROUP 71

APPLIANCES AND METHODS FOR LIGHTING, NOT OTHERWISE CLASSIFIED

Wen Haun Kai—Peking. Gauze Lanterns.

GROUP 79
SILKS AND FABRICS OF SILK
 Yu Tso—Peking. Velvet Woven Pictures.

GROUP 80
LACES, EMBROIDERIES AND TRIMMINGS
 Miss Yu Shu-Shoo—Peking. Embroideries.
 Mrs. Yu Shen Shoo—Peking. Embroideries.

Location: Liberal Arts Pal., Av. C, bet. 6th & 7th Sts.

GROUP 82
BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK
 Lou Tien Hua, Foochow. Lacquer Models.

CUBA

Cuban Pav., off Av. of Nations, opp. French Pavillon

GROUP 53
FISHING EQUIPMENT AND PRODUCTS
 de Cambo, Guadalupe H.—Cardenas. Sea Shells.
 De Suarez, Margarita C.—Habana. Sea Shells.

GROUP 57
PERMANENT DECORATION AND FIXED FURNITURE FOR BUILDINGS AND DWELLINGS

Rodriguez, Martinez y Ca.—Caibarien. Mosaics.
 Calafet, Leon—Habana. Brick.

GROUP 58
OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

Villa y Rodriguez—Habana. Furniture.

GROUP 60
CERAMICS
 Calafet, Leon—Habana. Brick.
 Loynas, E.—Habana. Samples of Sand.

GROUP 71
APPARATUS AND METHODS FOR LIGHTING, NOT OTHERWISE CLASSIFIED
 Julve, M. e Hijos—Habana. Apparatus for Acetylene Lighting.

GROUP 80
LACES, EMBROIDERY AND TRIMMINGS
 Casa de Maternidad y Beneficencia—Habana. Embroidery.

Flores, Maria—Caibarien. Embroidery.
 Garcia, Maria M.—Habana. Laces.
 Hurria, Clementina—Caibarien. Embroidery.

GROUP 81
INDUSTRIES PRODUCING WEARING APPAREL FOR MEN, WOMEN AND CHILDREN
 Woolman, H. A. S.—Habana. Patterns.

Agr. Pal., Court of Honor Blvd.
GROUP 53
FISHING EQUIPMENT AND PRODUCTS
 Rey, Benito—Caibarien. Sponges.

GROUP 73
EQUIPMENT AND PROCESSES USED IN SEWING AND MAKING WEARING APPAREL
 Sanchez, Jose Junco—Pinar del Rio. Wooden Egg.

GROUP 77
THREADS AND FABRICS OF FLAX, HEMP, ETC., CORDAGE
 Garcia, Jose y Hernandez—Habana. Samples of Fibres.
 Montegudo, Manuel F.—Bernedios. Textiles.
 Fd. Pr. Pal., Av. A, bet. 1st & 2nd Sts.

GROUP 58
OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES
 Quintana, Nicolas—Habana. Furniture.

GROUP 81
VARIOUS INDUSTRIES CONNECTED WITH CLOTHING
 Calvert & Lopez—Habana. Fans.
 Calvet y Lopez—Habana. Fans.

DENMARK

V. I. Pal., Ave. A, 5th St., Ave. B & 6th St.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Erickson, Miss Birgitte—Copenhagen. Enamelled ornaments in handwrought Silver.
Hertz, P.—Copenhagen. Enamelled Silver.
Jensen, Georg—Copenhagen. Handwrought Silver; original designs.
Warming, Miss Karen—Copenhagen. Silver ornaments.

GROUP 47

JEWELRY

Erickson, Miss Birgitte—Copenhagen. Jewelry.
Hertz, P.—Copenhagen. Jewelry.
Jensen, Georg—Copenhagen. Silver Jewelry.
Warming, Miss Karen—Copenhagen. Jewelry.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Copenhagen Art Fayence Factory—Copenhagen. Vases, Placques and Table Ware.
Hjorth, L.—Ronne. Statuettes and Vases in Terra Cotta and Glazed Stoneware.
Ipsens Enke, P.—Copenhagen. Statuary and Vases; antique and modern designs.
Jensen, George, Copenhagen. Handwrought silver, original designs.
Kaehler, Herman A.—Naestved. Art Pottery in lustre and under-glaze decoration.
Royal Copenhagen Porcelain Co.—Copenhagen. Hand Porcelain in under and over-glaze decoration.
Westergaard, Miss Mette, Copenhagen. Handwoven works. Gobelins after Mohls designs.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON

Salicath, Mrs. L., Copenhagen. Bronze Work. Statuettes of famous racehorses modelled from life. (Danish Collective Exhibit.)

GROUP 56

TOYS

Petersen, Miss Emma—Copenhagen. Toys and dressed dolls.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Westergaard, Miss Mette—Copenhagen. Handwoven Gobelin Tapestries.

GROUP 65

UPHOLSTERERS' DECORATIONS

Westergaard, Miss Mette—Copenhagen. Handwoven Gobelin Tapestries.

GROUP 66

CERAMICS

Copenhagen Art Fayence Factory—Copenhagen. Vases, Placques and Table Ware.
Hjorth, L.—Ronne. Statuettes and Vases in Terra Cotta and Glazed Stoneware.
Ipsens Enke, P.—Copenhagen. Statuary and Vases; antique and modern designs.
Kaehler, Herman A.—Naestved. Art Pottery in lustre and under-glaze decoration.
Royal Copenhagen Porcelain Co.—Copenhagen. Hand Porcelain in under and over-glaze decoration.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Christopherson, Mrs. Kirstine—Copenhagen. Embroidery.
Hirsch, Mrs. Sara—Copenhagen. Embroideries.
Ilum, A. C.—Copenhagen. Embroideries, Hedebo and Cross Stitch.
Larsen, Mrs. Ingeborg—Copenhagen. Table Cloth, Hedebo style.
Society for the Promotion of Hedebo Embroidery—Copenhagen. Embroideries in Hedebo.
Sorensen, Miss Andrea—Copenhagen. Embroideries, old Hedebo style.
Tofte, Mrs. P.—Copenhagen. Embroideries.

Danish Pav., Ave. of Nations, nr. Fine Arts.

GROUP 48

CLOCK AND WATCH MAKING

Mickelsen—Copenhagen. Clocks.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Bing & Grondahl—Copenhagen. Porcelains.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON

Wagner, S.—Kongens Lyngby. Four Bronze figures.

GROUP 57

PERMANENT DECORATION AND FIXED FURNITURE FOR BUILDINGS AND DWELLINGS

Anderson, V.—Copenhagen. Interior Decorating.
Christensen, Chr.—Copenhagen. Lantern of Wrought Iron.
Deleuran, Th.—Copenhagen. Interior Decorating.
Olrik, S.—Copenhagen. Interior Decorating.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

Hansen, C. B.—Copenhagen. Furniture.
Haalund & Heyman—Copenhagen. Furniture.
Petersen, Jacob—Copenhagen. Furniture.

GROUP 60

HARDWARE AND WOODENWARE

Hansen & See-Jensen—Copenhagen. Door Knobs.

de Paz, Soledad c.—Santa Barbara, Santa Barbara. Junco Hats.
 de Paz, Soledad v.—Santa Barbara, Santa Barbara. Junco Flowers and Hats.
 Funes, Justa—Juticalpa, Olancho. Junco Hats.
 Government of Honduras—Gracias, Gracias. Palma Hats.
 Government of Honduras—Santa Barbara, Santa Barbara. Junco Hats.
 Lara, Delfina D.—La Esperanza, Intibuca. Junco Hats.
 Lara, Guadalupe D.—La Esperanza, Intibuca. Junco Caps.
 Mejia, Francisco—Juticalpa, Olancho. Artificial Cloth Flowers.
 Municipality of Jesus de Otero—Jesus de Otero, Intibuca. Wooden Cane.
 Municipality of San Nicolas—San Nicolas, Santa Barbara. Junco and Yute Hats.
 Municipality of Santa Barbara—Santa Barbara, Santa Barbara. Junco Hats.
 Municipality of Trinidad—Trinidad, Santa Barbara. Junco Hats.
 Munoz, Concepcion—Catacamas, Olancho. Junco Hats.
 Paz, Constantino—Santa Barbara, Santa Barbara. Junco Hats.
 Rosales, Jose Angel—Juticalpa, Olancho. Junco Hats.

INDIA

V. I. Pal., 6th St. & Av. B.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Bhumgara, F. J. & Co.—Calcutta. Collective Exhibit of Gold and Silverware.

GROUP 47

JEWELRY

Bhumgara, F. J. & Co. — Calcutta. Collective Exhibit of Jewelry.
 Salle, M. M.—Ceylon. Jewelry.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Bhumgara, F. J. & Co.—Calcutta. Collective Exhibit of Brasses.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON

Bhumgara, F. J. & Co.—Calcutta. Collective Exhibit of Bronzes.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Bhumgara, F. J. & Co.—Calcutta. Collective Exhibit of Rugs and Tapestries.

GROUP 65

UPHOLSTERERS' DECORATIONS

Bhumgara, F. J. & Co.—Calcutta. Collective Exhibit of Tapestries.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Bhumgara, F. J. & Co.—Calcutta. Collective Exhibit of Laces and Embroideries.

LUXEMBURG

Location: Varied Industries Palace, 6th St.,
bet. Aves. A and B.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Hurmann, J.—Diekirch. Enameled Silver-
ware.
van Mot, H.—Wiltz. Silverware.
Hond, A.—Luxemburg. Collective Exhibit.

GROUP 47

JEWELRY

Hurmann, J.—Diekirch. Jewelry.
Hond, A.—Luxemburg. Collective Exhibit.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

van Mot, H.—Wiltz. Pottery
Hond, A.—Luxemburg. Collective Exhibit.

GROUP 66

CERAMICS

van Mot, H.—Wiltz. Pottery.
Hond, A.—Luxemburg. Collective Exhibit.

GROUP 80

LACES, EMBROIDERIES AND TRIMMINGS

Hond, A.—Luxemburg. Collective Exhibit.
Municipality of Luxemburg—Luxemburg.
Laces.

GROUP 82

FURS AND SKINS: FUR CLOTHING: LEATHER, BOOTS AND SHOES

Hond, A.—Luxemburg. Collective Exhibit.
Koenig, Frank—Luxemburg, Shoes.

GROUP 83

VARIOUS INDUSTRIES CONNECTED WITH CLOTHING

Picard, J.—Redange. Feather Novelties and
Ostrich Feathers.

MOROCCO

Trans. Pal., Av. F, bet. 5th and 6th Sts.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Bonan, S. Z.—Morocco. Collective Exhibit
of Jewelry.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Bonan, S. Z.—Morocco. Collective Exhibit
of Hammered Brass, Tapestry, etc.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Bonan, S. Z.—Morocco. Collective Exhibit
of Leather Goods.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Bonan, S. Z.—Morocco. Collective Exhibit
of Rugs.

GROUP 65

UPHOLSTERERS' DECORATIONS

Bonan, S. Z.—Morocco. Collective Exhibit
of Tapestries.

GROUP 80

LACES EMBROIDERY AND TRIMMINGS
Bonan, S. Z.—Morocco. Collective Exhibit
of Laces and Embroideries.

GROUP 82

FURS AND SKINS, FUR CLOTHING; LEATHER, BOOTS AND SHOES

Bonan, S. Z.—Morocco. Collective Exhibit
of Furs.

NETHERLANDS

V. I., 5th St., Av. D, 6th St. & Av. E.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Koninklyke Utrechtsche Fabriek Van Zilver-
werken, Van C. J. Beger, Utrecht. Silver-
ware.
Hofmark Gebr., Schoonhoven. Silverware.

GROUP 47

JEWELRY

Koninklyke Utrechtsche Fabriek Van Zilver-
werken Van C. J. Beger, Utrecht. Jewelry.

GROUP 49

OBJECTS EXHIBITED MORE FOR ORNAMENTAL DESIGN THAN THEIR UTILITY

Kunstarbeid Djoeja—Batavia.
signs in Metal, Leather and

GROUP 51

LEADED, STAINED AND MOSAIC GLASS

Handoes, Gabriel, Utrecht. Stained Glass.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Stoomweveryen, M. V., Voorheen Firma G. Van Besouw, J. Bzn., Goirle. Carpets and matting.

GROUP 66

CERAMICS

E. Delftsch Aardwerfabriek, "De Porceleynse Flea," Delft. Ceramics.

N. V. Fabriek Van Brouwer's Aardewerk Voorheen Willem C. Brouwer, Leiderdorp. Ceramics.

Jager, A., Hilversum. Painted Tiles.

N. V. Arnhemse, Fayencefabriek, Arnhem. Ceramics.

N. V. Kunstaardwerfabriek "St. Lucas," Utrecht. Ceramics.

Plaatelbakkerij "De Distel," Amsterdam. Ceramics.

Plaatelbakkerij "Zuid-Holland," Gouda. Ceramics.

Tichelaar, Gebr., Makkum. Ceramics.

Van Hulst, J., Harlingen. Wall Tiles.

GROUP 71

APPARATUS AND METHODS FOR LIGHTING, NOT OTHERWISE CLASSIFIED

Stokvis, W. J., Koninklyke Fabriek Van Metaalwerken, Arnhem. Lighting fixtures.

GROUP 76

THREADS AND FABRICS OF COTTON

Firma M. Van Dam & Zonen, Enschede. Textiles.

Kunstarbeid Djocja—Batavia. Batik Work.

GROUP 82

FURS AND SKINS, FUR CLOTHING; LEATHER, BOOTS AND SHOES

Firma Frans Van DenAssum, Dongen. Leather boots.

Netherlands Pav., Esplanada, near Hawaiian Pav.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Niekerk Brothers—Schoonhoven. Hand-made Silverware.

GROUP 47

JEWELRY

Asscher, Joseph, & Co.—Amsterdam. Imitations of the largest Diamonds in the world, cut in Amsterdam.

van Kempen, J. M., & Sons—Voorschoten. Fine Jewelry.

GROUP 40

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Niekerk Brothers—Schoonhoven. Special designs in Silver.

Reyenga, W., & Son—Amsterdam. Engravings on Brass.

GROUP 57

PERMANENT DECORATION AND FIXED FURNITURE FOR BUILDINGS AND DWELLINGS

Braat, F. W.—Delft. Plans, drawings and models of permanent decorative ornamental iron work, grill work and doors in cast or wrought iron, roof decorations, etc.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

Netherlands' East Indian Commission for the P.-P. I. E.—Buitenzorg, Java. Hand-carved Teakwood Benches. Javanese native work. van Vliet, W. F.—The Hague. Wicker Furniture with upholstered backs.

GROUP 60

HARDWARE AND WOODENWARE

Lips Lock Works—Dordrecht. Locks, Bolts, etc.

Lips Safe Works—Dordrecht. Safes, Money Chests, etc.

Voorneveld, H.—Zeist. Lawn Seats.

GROUP 62

INSULATING MATERIALS FOR ELECTRICITY

Factory "Heemaf"—Hengelo. Porcelain Insulating Appliances.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP ETC., CORDAGE

Spanjaard, S. J.—Borne. Turkish Towels, Linen Damask, etc.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBERS

Netherlands' East Indian Commission for the P.-P. I. E.—Buitenzorg, Java. Specimens of Textile Material, named "Batiwork," made by the natives.

Spanjaard, S. J.—Borne. Flannelette.

Ter Horst & Co.—Ryssen. Specimens of Fabrics.

Zaalberg, J. C., & Son—Leiden. Samples of Woolen Blankets.

Lb. A. Palace, Ave. C, bet. 5th & 6th Sts.

GROUP 57

PERMANENT DECORATION AND FIXED FURNITURE FOR BUILDINGS AND DWELLINGS

N. V. Steenfabriek "Geldermalsen"—Geldermalsen. Fire Bricks.

GROUP 60

HARDWARE AND WOODENWARE

Deventer Capsule Works—Deventer. Metal Caps.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Home Industry of Genemuiden—Genemuiden. Reed Mats.

GROUP 66

CERAMICS

N. V. Steenfabriek "Geldermalsen"—Geldermalsen. Fire Bricks.

GROUP 68

GLASS AND CRYSTAL

N. V. Vereenigde Glasfabrieken—Vlaardingen. Bottles.
Strykers, A.—Tiel. Wicker Covered Bottles.

NORWAY

Location: Norwegian Pav., Presidio Entrance
Near French Pav.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR
ORNAMENTAL DESIGN THAN FOR
THEIR UTILITY

Norwegian Home Industries—Kristiania.
Handwoven Tapestries.

GROUP 51

LEADED, STAINED AND MOSAIC GLASS

Larsen, G. A.—Kristiani. Stained Glass
Windows. St. Olaf offering prayer before
Battle of Stillestad, A. D. 1030.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS
FOR UPHOLSTERY

Norwegian Home Industries—Kristiania.
Handwoven Tapestries.

GROUP 65

UPHOLSTERERS' DECORATIONS

Norwegian Home Industries—Kristiania.
Handwoven Tapestries.

PORTUGAL

Portuguese Pav., Ave. of Nations and Lafay-
ette Ave.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES,
FANCY ARTICLES AND BASKET WORK

Junta Agricola da Madeira—Funchal, Madeira
Island. Wicker work.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Junta Agricola da Madeira—Funchal, Madeira
Island. Laces.

Fn. A. Pal., Portuguese Section.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Bordalo Pinheiro, D. Maria Augusta—Lisbon.
Laces.

Lb. A. Pal., Ave. B, cor. 7th St.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR
ORNAMENTAL DESIGN THAN FOR
THEIR UTILITY

Garcia, Viuva Angelo, M., Successor de Jose
Alves Cunha—Caldas da Rainha. Glazed
Earthenware.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES,
FANCY ARTICLES AND BASKET WORK

Monteiro, D. Maria Francisca de Campos—
Setubal. Fancy Articles in Corkwood.

Sanchez, D. Maria Genovera—Lisbon. Dressed
Bottles.

GROUP 57

PERMANENT DECORATION AND FIXED
FURNITURE FOR BUILDINGS AND
DWELLINGS

Metalurgica Limitada—Lisbon. Work in
Wrought Iron.

GROUP 60

HARDWARE AND WOODENWARE

Costa & Filhos (M. P.)—Coimbra. Toothpicks.
Florido, Joaquin Simoes—Coimbra. Tooth-
picks.

GROUP 66

CERAMICS

Garcia, Viuva Angelo M., Successor de Jose
Alves Cunha—Caldas da Rainha. Glazed
Earthenware.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Camara Municipal de Angra do Heroismo—
Angra, Azores. Laces.

La Cerda, D. Palimira de—Horta, Azores. Em-
broidery.

Malgalhaes, D. Jacinta Alice—Horta, Azores.
Embroidery.

Martins, Antonio da Rosa—Horta, Azores.
Embroidery.

Menezes, D. Palimira de—Horta, Azores. Em-
broidery.

Rosa, D. Maria Carmen, Silva Avila da—Hor-
ta, Azores. Embroidery.

Samarni, D. Elvira Freitas—Lisbon. Laces.

Silveira, D. Maeta Fria da—Horta, Azores.

Embroidery.

RUSSIA

Location: Trans. Pal., 5th St., cor. Av. D.

GROUP 46

SILVERSMITHS' AND GOLDSMITHS' WARE

Djarakiants, K.—Petrograd. Enamels and Cloisonnes.

Petroff & Company—Petrograd. Silversmiths.

GROUP 47

JEWELRY

Konapleff, G. H.—Moscow. Precious and Ural Stones.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Goriatscheff, K. T.—Serguicosky Possad. Special Designs in Wood.

Museum of Koustari—Moscow. Carved Wood.

Semidenoff, A.—Serguicosky Possad. Special Designs in Wood.

Soinine, S. N.—Serguicosky Possad. Special Designs in Wood.

Wolkoff, S. E.—Serguicosky Possad. Special Designs in Wood.

Vorisoff, B. P.—Moscow. Special Designs in Wood.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON

Zemstwo of the State of Perm. Marbles.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Corporation of the District of Khlebrukovo. Fancy Articles in Lacquer Woods.

District of Serguicosky Possad. Fancy Articles in Wood.

Goriatscheff, K. T.—Serguicosky Possad. Fancy Articles.

Groukhine, N. T.—Wiatka. Fancy Articles in Lacquer Wood.

Ivanhoff Bros.—Serguicosky Possad. Fancy Articles in Wood.

Ivanoff, A. P.—Moscow. Fancy Articles in Brassware.

Koucheff, A. S.—Wiatka. Fancy Articles in Lacquer Woods.

Loukoutine of Moscow—Moscow. Fancy Articles in Lacquer Wood.

Museum of Kazan—Kazan. Fancy Articles in Metal Boxes, Etc.

Museum of Koustari—Moscow. Fancy Articles in Wood.

Osmanoff, S.—Timerkhauschoura. Pipes, Etc.

Semidenoff, A.—Serguicosky Possad. Fancy Articles in Wood.

Soinine, S. N.—Serguicosky Possad. Fancy Articles in Wood.

Walter, Serge—Smolensk. Leather Goods.

Wischniakoff, W. O.—Moscow. Fancy Articles in Lacquer Wood.

Wolkoff, S.—Serguicosky Possad. Special designs in Wood.

Yousonpoff, M.—Timerkhauschoura. Pipes, Etc.

GROUP 56

TOYS

District of Bogorodakoe. Toys.

First Society of Koustari—Serguiefsky Possad. Toys.

Municipality of Moscow—Moscow. Toys.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Makhatadze, N.—Tiflis. Caucasian Rugs.

Moukamedoff, Tadjl Icca—Tachkent. Rugs and Carpets.

GROUP 76

THREADS AND FABRICS OF COTTON

Maleef, E. E.—Twer. Printed Cloth.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC.; COEDAGE

Koustari Society of Kiev—Kiev. Table Linens.

Zemstwo of Padolie—Padolie. Table Linens.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Koustarni Troud Society—Petrograd. Embroideries.

Moukhina, M. N.—Orloff. Laces.

Routshnoi Troud Society—Moscow. Embroideries and Laces.

Saizou Society—Moscow. Embroideries.

Zemstwo of Twer—Twer. Embroideries.

Zimina, A. P.—Smolensk. Laces.

GROUP 82

FURS, AND SKINS, FUR CLOTHING; LEATHER, BOOTS AND SHOES

Mikhailoff, N. Bros.—Petrograd. Furs.

SIAM

Location: Siamese Pav., Av. of Nations, near Canadian Pav.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Province of Bayab. Art Pottery, Vases, Etc.

GROUP 50

ORNAMENTAL PRODUCTIONS IN MARBLE, BRONZE, CAST IRON AND WROUGHT IRON

Province of Bayab. Elephant with Howdah and Trappings.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Province of Bayab. Fancy Furniture and Small Fancy Boxes, Etc.
Province of Bisanulok. Laplace Brooms.

GROUP 58

OFFICE AND HOUSEHOLD FURNITURE AND UTILITIES

Province of Bayab. Furniture.

GROUP 60

HARDWARE AND WOODENWARE

Province of Bayab. Brass Bells, Cuspidsors, Etc.

GROUP 64

CARPETS, TAPESTRIES AND FABRICS FOR UPHOLSTERY

Province of Chantaburi. Fancy Colored Mats.

GROUP 66 CERAMICS

Province of Bayab. Vases, Water Jars, Dishes, Etc.

GROUP 68

GLASS AND CRYSTAL

Province of Bayab. Glassware.

GROUP 76

THREADS AND FABRICS OF COTTON

Province of Chantaburi. Cotton Materials.

GROUP 77

THREADS AND FABRICS OF FLAX, HEMP, ETC.; CORDAGE

Province of Bisanulok. Fibre of Musa Textilis and Rope from same.

GROUP 79

SILK AND FABRICS OF SILK

Province of Chantaburi. Silks.

Province of Korat. Silks.

Royal Agricultural Department. Samples of Siamese cross-bred and Cambodian Silk Twists. Samples of Silk from cross-bred worms.

GROUP 83

VARIOUS INDUSTRIES CONNECTED WITH CLOTHING

Province of Ayuthia. Feather Fans.

Province of Bayab. Patterns.

Province of Bisanulok. Canes, Wai Takha Thong Calamus Rotang and Wai Sawng Calamus Rotang.

Province of Chantaburi. Canes of various Woods.

Province of Patani. Canes of various Woods.

Royal Agricultural Department. Siamese Hats made from Talipot or Corhpha Umbreculifera.

SPAIN

Location: V. I. Pal., Av. A, bet. 4th & 5th Sts.

GROUP 49

OBJECTS EXHIBITED MORE FOR THEIR ORNAMENTAL DESIGN THAN FOR THEIR UTILITY

Baixauli, Jose Sospedra—Valencia. Religious Sculpture.

Furio Bros.—Valencia. Tiles.

Gerique, Jose—Valencia. Religious Sculpture.

Marce, Manuel Momparier—Valencia. Crockery and Porcelain.

Mora, Bartolome—Valencia. Crockery.

Stadiente de Obreros Escultores—Valencia.

Religious Sculpture.

Valdeobres, Onofre & Bro.—Valencia. Tiles.

GROUP 52

BRUSHES, FINE LEATHER ARTICLES, FANCY ARTICLES AND BASKET WORK

Monfort, Manuel—Valencia. Celluloid Goods.

GROUP 56

TOYS

Blat, E. Marti—Valencia. Toys.

Roma, M. & E. Lopez—Valencia. Toys.

GROUP 57

PERMANENT DECORATION AND FIXED FURNITURE FOR BUILDINGS AND DWELLINGS

Furio Bros.—Valencia. Tiles.

Palop, Jose—Valencia. Mosaics.

Peyro, Casa—Valencia. Terra

Valdeobres, Onofre & Bro.—

GROUP 71

**APPARATUS AND METHODS FOR LIGHT-
ING, NOT OTHERWISE CLASSIFIED**

Marcera, Hector—San Eugenio. Model of Acetylene Gas Generator.

GROUP 78

YARNS AND FABRICS OF ANIMAL FIBERS

García, Scarsi y Cia—Montevideo. Wool Cashmeres and Blankets, Scotch Plaids, Woolen Shawls and Blankets.
Salvo, Campomar & Cia—Montevideo. Cashmeres.

GROUP 80

LACES, EMBROIDERY AND TRIMMINGS

Brandes, Emilia—Montevideo. Embroidered Sheets.

GROUP 81

**INDUSTRIES PRODUCING WEARING AP-
PAREL FOR MEN, WOMEN AND
CHILDREN**

Greco, Vicente—Montevideo. Uruguayan Full Dress.

GROUP 82

**FURS AND SKINS, FUR CLOTHING;
LEATHER, BOOTS AND SHOES**

Bureau of Expositions—Montevideo. Sole and Patent Leather.
Del Pozo, G.—Montevideo. Shoes.
Franceschi, Jose R.—Montevideo. Gloves.
Lanza y Cia—Montevideo. Various kinds of Leather.
Mercantile Chambers—Montevideo. Various kinds of Leather.
Moretti, Carlos—Colonia. Sole Leather.
Rey, Jose—Montevideo. Shoes.

GROUP 83

**VARIOUS INDUSTRIES CONNECTED WITH
CLOTHING**

Brandes, Emilia—Montevideo. Bouquet of Flowers.
Goyhenetche, Alberto—Montevideo. Ladies' Lingerie.
Lb. Arts Pal., Av. B, bet. 7th & 8th Sts.

GROUP 57

Fabrica de Mosaics y Baldosas "Omega"—Montevideo. Floor Mosaics.

GROUP 66

CERAMICS

Fabrica de Mosaics y Baldosas "Omega"—Montevideo. Floor Mosaics.

Official Catalogue of
Exhibitors

Panama-Pacific International Exposition
San Francisco, California, 1915

CHARLES C. MOORE
President

Director-in-Chief
FREDERICK J. V. SKIFF

Division of Exhibits
ASHER CARTER BAKER, Director

Department **F**

MACHINERY
LIEUT. G. W. DANFORTH, Chief

Revised Edition

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PREFACE

By Asher Carter Baker, Director of Exhibits.

A modern, universal exposition is an encyclopedia of man's words and works. It is a collection of the achievements and productivity of man for examination by the International Jury of Awards, and constitutes a compact, classified, indexed compendium of man's activity in all phases, extending from the most material to the most refined products. It is estimated that a million objects are exposed in the various displays installed within the palaces, and in the foreign, state and special pavilions. To properly classify, group and arrange all the exhibits of an exposition of such international scope, is a task of such magnitude that it was impossible to provide a complete catalogue of these exhibits on the opening day of the Exposition.

This revised and complete edition of the official catalogue is therefore presented. In realization of its extraordinary value as a document of general and commercial reference, special care has been given to its preparation, so that it constitutes a full list of the infinite variety of interesting exhibits which are the concrete evidences of the industrial, educational and artistic advancement of the world.

Acknowledgment is hereby offered of the excellent co-operation received in the compilation of this catalogue from the Commissioners-General of participating nations, officers of State Commissions, individual exhibitors, and more particularly the various officers of the Division of Exhibits, as also from the Official Catalogue Company, the publishers of this catalogue.



PALACE OF WAR

MACHINERY

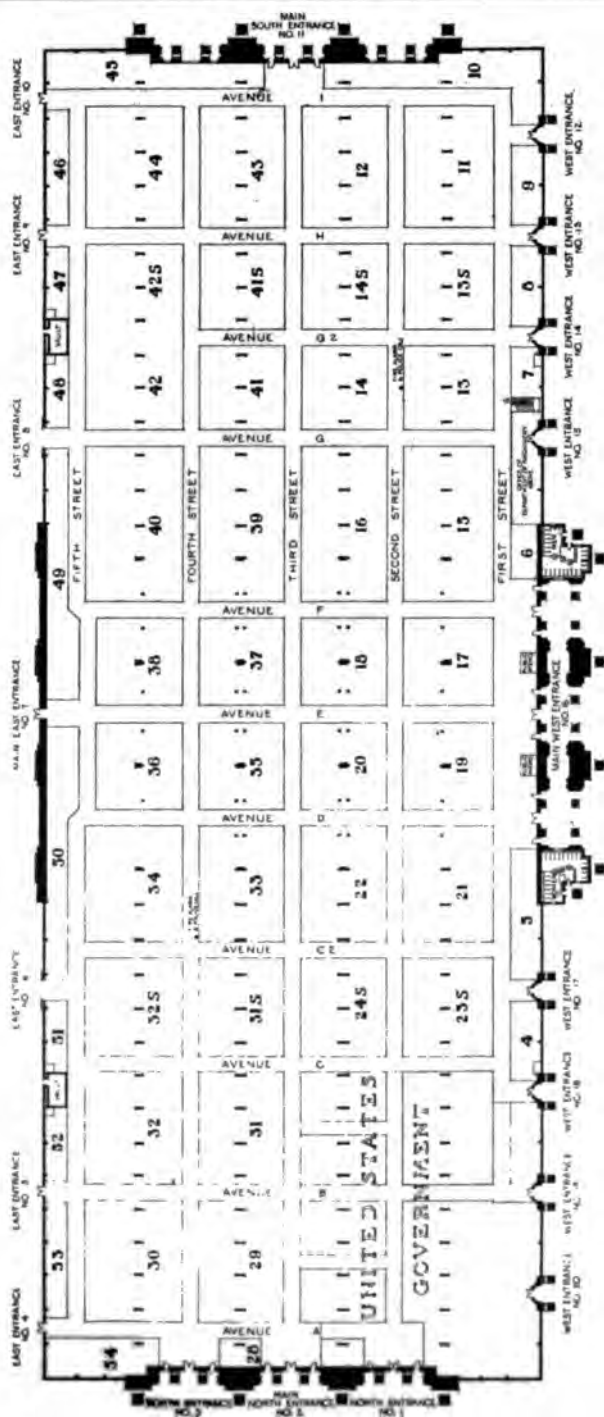
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AVENUE OF PROGRESS

FLOOR PLAN

PALACE OF MACHINERY

PANAMA-PACIFIC INTERNATIONAL EXPOSITION

OPENING FEBRUARY 20 SAN FRANCISCO, U.S.A. 1915. CLOSED DECEMBER 4

INTRODUCTION

Department of Machinery

BY

Lieut. G. W. Danforth, Chief

Mechanical and electrical genius has brought into practical use many machines and electrical appliances for manufacturing and transportation purposes, and has also supplied many useful and convenient machines and appliances for the home, the farm, and for miscellaneous needs.

Within the last decade engineers have made notable advancement in the types of engines which transform the energy of burning fuel into mechanical motion, and in the types of machines and electrical apparatus which apply this mechanical energy to industrial and domestic uses.

The practical and economical production of electric current is now accomplished by the employment of both engine and water power, and the problems of transmission, control and practical uses of this current have been worked out with great skill and ingenuity.

The great variety of machines and labor-saving devices now used is familiar to everyone. There has been notable advance in various machines and processes for the shaping of metals. These processes and the machines themselves are made possible by the skill of the metallurgist in producing pure metals and useful alloys.

In Machinery Palace will be shown machines and electrical apparatus which come under all of these classes, with many instruments and appliances related thereto. These exhibits are not only shown as commercial features of interest to the engineer and to the manufacturer, but special attention has been given to bringing out points of educational interest which will show and explain the fundamental principles, the essential features and the functions of these exhibits. Wherever practical, machinery and electrical apparatus will be shown in operation, also in many cases will be shown in parts or cut in sections, with such explanations as will enable anyone interested to study them.

The exhibits in Machinery Palace have been so selected and arranged that they will be of particular interest to the greatest number of visitors, including the scientist, the practical engineer, the mechanic, the electrician, the manufacturer, the student, the farmer and, last but not least, the housewife.

Many exhibits of machinery classified under other exhibit departments are placed in Machinery Palace. These include: Contractors, Road Making, Agricultural, Mining and Printing Machines, which are listed in this Catalogue, and are listed in the catalogues of the departments to which they belong.

HOW TO LOCATE AN EXHIBIT

The Palace of Machinery is laid out in blocks, which are consecutively numbered from 1 to 54, inclusive, as shown on the floor plan. The aisles are designated as streets (First to Fifth), running north to south, and as avenues (A to I), from east to west. To locate an exhibitor refer to the names, alphabetically arranged under the exhibit group to which each belongs in the official classification, and note the aisle location following each name. Street and Avenue signs are erected at their intersection on the corners of all blocks.

All Exhibits entered in this Catalogue are located in the Palace of Machinery, **unless otherwise indicated** after the entry. The following are abbreviations used in this Catalogue to designate other Exhibit Palaces:

Fine Arts Palace.....	Fn. A. Pal.
Education Palace.....	Ed. Pal.
Liberal Arts Palace.....	Lb. A. Pal.
Manufactures Palace.....	Mfr. Pal.
Varied Industries Palace.....	V. I. Pal.
Machinery Palace.....	Mch. Pal.
Transportation Palace.....	Trns. Pal.
Agriculture Palace	Agr. Pal.
Food Products Palace	Fd. Pr. Pal.
Live Stock Palace	Lv. St. Pal.
Horticulture Palace.....	Hor. Pal.
Mines and Metallurgy Palace.....	Min. Pal.

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DEPARTMENT OF MACHINERY

Official Classification of Exhibits

GROUP 85

STEAM GENERATORS AND MOTORS UTILIZING STEAM. ACCESSORY APPLIANCES

- Class 449. Steam engines and steam turbines; portable, semi-portable and stationary; valve gear, governors, lubricating apparatus, and accessories attached.
- Class 450. Boilers, stationary, marine, portable and semi-portable; boiler equipment, including furnaces, grate bars, smoke stacks, mechanical stokers, oil burners, oil and other fuel systems, mechanical flue and tube cleaners; forced and natural draft apparatus and equipment; fuel economizers, superheaters; boiler fittings; coal handlers and conveyors; ash handling systems and apparatus.
NOTE: Agricultural and road-making machinery is not included herewith.
- Class 451. Appliances for handling and purifying feed water: feed pumps and injectors, feed-water regulators, feed tanks; feed-water heaters; chemical and mechanical purifiers, oil extractors, scale removing appliances and compounds; water softening compounds. (See Class 462.)
- Class 452. Valve gear, governors and speed regulators for steam engines or turbines, not attached.
- Class 453. Equipment for transmission and control of steam: steam piping and piping systems, including pipe, valves, fittings, steam hose, traps, separators and exhaust heads.
- Class 454. Condensing apparatus: surface and jet condensers; air pumps, dry vacuum pumps, circulating pumps; cooling towers, cooling systems.
- Class 455. Methods and appliances for testing and recording the performances of engines, turbines, boilers, condensers, their auxiliaries, and other machinery: pyrometers, steam thermometers, calorimeters, steam meters, CO₂ recorders, flue gas analysis apparatus for steam power plants; counters, gages, indicators, tachometers, and dynamometers.

GROUP 86

INTERNAL COMBUSTION MOTORS

- Class 456. Internal combustion engines, gas turbines, and all motors in which internal combustion of the fuel takes place; apparatus and systems for supplying fuel for internal combustion motors.
NOTE: This group does not include motors attached to mobile devices (such as automobiles), nor does it include agricultural or road making machinery.

GROUP 87

HYDRAULIC MOTORS

- Class 457. Impulse wheels, turbines and other motors driven by water power, and apparatus for their regulation and control.

GROUP 88

MISCELLANEOUS MOTORS

- Class 458. Motors operated by heated air, or other means, not elsewhere classified.

GROUP 89

GENERAL MACHINERY AND ACCESSORIES

- Class 459. Appliances for ~~handling~~ heavy weights; overhead traveling and stationary cranes, operated by hand or power; hoisting engines, jacks, differential pulleys. (Marine and mining equipment not included.)
- Class 460. Conveying machinery: belt, bucket and movable table or roller conveyors; trolley conveyors. (For special apparatus in mining see Classes 750, 756 and 780.)
- Class 461. Power-transmitting appliances: leather, fibre, chain, link and other belting; cable and rope drives; gearing, shafting, couplings, pulleys, clutches, hangers, and pedestals.
- Class 462. Apparatus for ~~lifting~~ and ~~handling~~ water and other liquids; hand, steam and power driven pumps, pulsometers, air lifts, hydraulic rams; water pipe and accessories; water meters. (See also Classes 451, 470, 530, 554, 559 and 751 for pumps for special uses.)
- Class 463. Fire engines, extinguishers and fire fighting apparatus. (See Class 183.)
- Class 464. Air and gas compressors and accessories. (See also Classes 354 and 749.)
- Class 465. Brick and tile making machinery. (Transferred to Class 765.)
- Class 466. Dredging and excavating machinery and appliances. (For railroad machinery see Class 520. For mining machinery see Class 759.)
- Class 467. Refrigerating machinery. (See also Classes 531 and 601.)
- Class 468. Packing, gaskets, heat insulating material, lubricators, lubricants, lubricating systems, metal for bearings.
- Class 469. General machinery not otherwise classified.

**GROUP 90
TOOLS FOR SHAPING WOOD AND METALS**

- Class 470. Steam forging hammers, hydraulic forging presses; hydraulic accumulators, intensifiers, pumps and accessories; extruding presses; hand and power shears, punches and blank cutters for metals; plate bending and planing machines; drop forging hammers; swaging presses; riveting machines. (See Class 462.)
- Class 471. Apparatus, equipment and compounds used in annealing, hardening, tempering, brazing and soldering metals.
- Class 472. Machine tools, lathes, planers, shapers; drilling, boring, milling, slotting and splining machines; bolt, nut and pipe machines; metal saws; forcing presses; polishing and finishing machines for metals; machines for rough grinding. All machine tool attachments; safety devices when attached to machines; portable power tools; tool grinding machines; machine shop accessories.
- Class 473. Machinery for grinding accurate surfaces; screw cutting machines; presses and spinning lathes for shaping sheet metals.
- Class 474. Hand tools for machinists: measuring tools; bench tools, etc.
- Class 475. Machines and tools for boiler shop and sheet metal shop work, not elsewhere classified.
- Class 476. Wood working machinery: power saws, wood lathes, planers and jointers, and other wood working power tools other than saw-mill equipment; equipment for bending or pressing wood; box and basket machinery. Attachments for wood-working machinery. Safety devices for wood working machinery when shown attached to machines. (See Class 448.)
- Class 477. Special machinery for various purposes, not otherwise classified.

ELECTRICAL GROUPS

**GROUP 91
COMMUTATING APPARATUS**

- Class 478. Direct-current commutating generators, all types.
- Class 479. Synchronous commutating machines, comprising synchronous converters, motor converters and double current generators.
- Class 480. Direct and alternating current commutating type motors.
- Class 481. Direct and alternating current commutating type railway motors.

**GROUP 92
SYNCHRONOUS APPARATUS
(All Alternating Current)**

- Class 482. Synchronous generators, all types.
- Class 483. Synchronous motors.
- Class 484. Synchronous condensers.
- Class 485. Synchronous frequency changers.
- Class 486. Synchronous rotary phase converters.

**GROUP 93
STATIONARY INDUCTION APPARATUS**

- Class 487. Transformers (including induction coils) and autotransformers, all types.
- Class 488. Potential regulators and reactances, all types.
- Class 489. Induction starters.

**GROUP 94
ROTARY INDUCTION APPARATUS**

- Class 490. Induction generators, all types.
- Class 491. Induction motors.
- Class 492. Induction condensers.
- Class 493. Induction frequency changers.
- Class 494. Induction rotary phase converters.

**GROUP 95
UNIPOLAR (ACYCLIC) APPARATUS**

- Class 495. Unipolar (Acyclic apparatus).

**GROUP 96
RECTIFYING APPARATUS**

- Class 496. Rotating commutators.
- Class 497. Electric valves (including mercury rectifiers).
- Class 498. Vibrating commutators.

**GROUP 97
LUMINOUS APPARATUS (Sources of Light)**

- Class 499. Arc lamps, all types.
- Class 500. Incandescent lamps, all types.
- Class 501. Vapor lamps, all types.
- Class 502. Vacuum lamps, all types.

GROUP 98

MEASURING, INDICATING AND RECORDING APPARATUS

(Not including instruments for pure science and research work.)

- Class 503. Instruments for switchboard use.
- Class 504. Instruments for mounting apart from switchboard.
- Class 505. Portable instruments.
- Class 506. Laboratory instruments.

GROUP 99

APPARATUS FOR PROTECTION OF ELECTRIC APPARATUS AND FOR CONTROL AND DISTRIBUTION OF ELECTRIC ENERGY, OTHER THAN RAILWAY MATERIAL

- Class 507. Complete switchboards.
- Class 508. Lightning arrestors and accessories.
- Class 509. Devices for opening and closing circuits and controlling flow of current therein.
NOTE: In class 509 will be placed such devices as are used in stations and on main circuits.
- Class 510. Devices and material used in distribution of current and control of distribution circuits other than in stations and on main circuits; including fuses and fuse holders, conduits, cables, wires, insulators, junction boxes, cabinets, cut-outs, sockets, fixtures, electric sign mechanism, and other subsidiary apparatus not otherwise classified. (See Class 308.)
- Class 510½. Electrical workers' tools and appliances.

GROUP 100

ELECTRO-CHEMICAL APPARATUS

- Class 511. Storage batteries.
- Class 512. Primary batteries.

Utility Gas & Appliance Sales Co., San Francisco, Cal. Hot air engine. 3rd St. & Av. F.

GROUP 89

GENERAL MACHINERY AND ACCESSORIES

Advance Pump and Compressor Co., Battle Creek, Mich. Centrifugal, Steam and Power Pumps and Air Compressors. 5th St., cor. Av. D.

Albrecht Excavator Co., Milwaukee, Wis. Excavating Machinery. 4th & 5th Sts. & Av. I. Parrott & Company, San Francisco, Cal., Representative. See ad on front cover.

Aldrich Pump Co., The, Allentown, Pa. Power Pumps. 5th St., bet. Avs. F & G.

American Hoist & Derrick Co., St. Paul, Minn. Steam Hoists. 5th St., bet. Avs. F & G.

American La France Fire Engine Co., Elmira, N. Y. Motor Fire-fighting Apparatus. (In Service.)

American Pulley Co., The, Philadelphia, Pa. Wrought Steel Belt Pulleys and accessories. 4th St. & Av. I.

American Steam Pump Co., Battle Creek, Mich. Pumps. Boiler feed pumps and centrifugal pumps, vacuum air compressors. 1st St. & Av. E. California Agts., Simonds Machinery Co.

American Well Works, The, Aurora, Ill. Power Pumps. 1st St., Avs. G & H.

Anderson Barngrover Mfg. Co., San Jose, Cal. Conveyors. Hor. Pal.

Armstrong Cork & Insulation Co., Pittsburgh, Pa. Insulation. Mfr. Pal., Av. A & 6th St.

Armstrong, L. D., San Francisco, Cal. Pumps and Air Compressors. 5th St., cor. Av. B. (Collective Exhibit.)

Audiffren Refrigerating Mach. Co., New York, N. Y. Refrigerating Apparatus. Mfr. Pal. General Electric Co. "Home Electrical."

Automatic Refrigerating Mach. Co., Hartford, Conn. Electric Refrigerating Apparatus. Mfr. Pal. General Electric Co. "Home Electrical."

Bacon Co., Edward B., San Francisco, Cal. Excavating Machinery. 4th & 5th Sts., Avs. C & D. (Collective Exhibit.)

Baker-Hansen Manufacturing Co., East Oakland, Cal. Air Compressors. Min. Pal.

Bean Spray Pump Co., San Jose Cal. Also at Lansing, Mich. Centrifugal Pumps, Spraying Outfits. Under Northwest Dome, Hor. Pal.

Bean Spray Pump Co., Lansing, Mich. Also at San Jose, Cal. Centrifugal Pumps, Spraying Outfits. Internal Combustion Engines. Northwest Dome Hor. Pal.

Biegert Machine Works, Seattle, Wash. Single Friction Drum Belt Hoist. 4th & 5th Sts., Avs. C & D.

Blaisdell Machinery Co., Bradford, Pa. Air Compressors. Fd. Pr. Pal., Pac. Coast Condensed Milk Pavilion.

Bond Foundry & Machine Co., Manheim, Lancaster Co., Pa. Power Transmitting Machinery and accessories. 4th St. & Av. I.

Bond Company, Chas., Philadelphia, Pa. Leather Belting. 4th St. & Av. I.

Bowser & Co., Inc., S. F., Fort Wayne, Ind. Oil filtering and circulating systems. Trns. Pal., 8th St.

Bristol Company, The, Waterbury, Conn. Metal Belt Fasteners and Split Steel Rivets. Mch. 2nd St., cor. Av. D.

Brown Portable Elevator Co., Chicago, Ill. Conveying and Elevating Machinery. 4th St. & Av. H.

Butler Carrier Co., Alameda, Cal. Conveyor 1st St. & Av. H.

Buffalo Weaving & Belting Co., Buffalo, N. Y. Rubber belting. 4th & 5th Sts. & Av. I.

Canadian Bond Hanger & Coupling Co., Ltd., Alexandria, Ont. Power Transmitting Machinery. 4th St. & Av. I.

Chain Belt Co., Milwaukee, Wis. Chain Belting, Elevator Buckets. 3rd St., bet. Avs. H & I.

Chisholm & Moore Mfg. Co., The, Cleveland, Ohio. Chain Hoists & Trolleys, Traveling Cranes. 1st St. & Av. I. Berger & Carter Co., San Francisco, Agts.

Clipper Belt Lacer Co., Grand Rapids, Mich. Examples of laced belts. 3rd St. & Av. F.

Clyde Iron Works, Duluth, Minn. Mfrs. Hoisting Machinery. Excavating Machinery. Logging Machinery. 5th St. & Av. H. Represented by Parrott & Co., San Francisco. See ad on front cover of catalog.

Cowan Truck Company, Holyoke, Mass. Special Trucks for handling heavy weights. Stock handling system for factory, warehouse, railway and wholesalers. Cor. 3rd St. & Av. H.

Crane Company, Chicago, Ill. Valves. Fittings and Water Handling Appliances. 2nd & 3rd Sts., Avs. D & E.

Cumberland Steel Co., Cumberland, Md. Ground Shafting. 3rd St., bet. Avs. H & I.

Cyclops Iron Works, San Francisco, Cal. Overhead Traveling Cranes. In Service.

Cutler Hammer Co., Milwaukee, Wis. Air Pressure Control. Min. Pal., 5th St. & Av. A.

Dayton Pump & Mfg. Co., Dayton, Ohio. Motor Driven Pumps. 2nd St. & Av. C.

Doak Gas Engine Co., Oakland, Cal. Gas Engine Friction Clutches. 4th St. & Av. F.

Dodge Mfg. Co., Mishawaka, Ind. Conveying Machinery. Oscillating Conveyors, flexible coupling. Solid Safety friction clutch. Transmission rope drive. Power transmission appliances. 5th St. & Av. H. Harron, Rickard & McCone, representatives, San Francisco.

Down, S. G., San Francisco, Cal. Air Compressors and accessories. 3rd St., Avs. C2 & D. (Collective Exhibit.)

Eastern Machinery Co., New Haven, Conn. Friction clutches. V. I. Pal., Av. B & 2nd St.

Economy Engineering Company, Chicago, Ill. Hoisting Machinery. Portable Elevators, Warehouse Equipment, Steel Barrel Racks, Barrel Storage System. Av. H, bet. 3rd & 4th Sts. San Francisco Office, 845 Monadnock Bldg.

Electrene Company, The, New York, N. Y. (In Service.) Fire Extinguishers.

Falk Company, The, Milwaukee, Wis. Power Transmitting Gears. 4th St. & Av. F.

Field Force Pump Co., Elmira, N. Y. Pumps and Pressure Filters. Hor. Pal., Av. A & 2nd St.

Flory Manufacturing Company, Bangor, Pa. Hoisting En-

- Fort Wayne Engineering Co.,** Fort Wayne, Ind. Pneumatic Water Systems. Home Electrical. Mfr. Pal.
- Fuller & Co.,** W. P., San Francisco, Cal. Lubricating Oils. Min. Pal., Av. C & 3rd St.
- General Electric Co.,** Schenectady, N. Y. Fabroil Gears, Fibrox, Genelite. Mfr. Pal. "Home Electrical."
- General Machinery & Supply Co.,** San Francisco, Cal. Air compressor. Min. Pal. 5th St.
- Goodrich Rubber Co.,** B. F., Akron, Ohio. Sanitary Belting for Canning Factories. Hor. Pal., 1st St., bet. Aves. C & D.
- Goodyear Tire & Rubber Co.,** Akron, Ohio. Air Drill Suction Hose. The Mine, Min. Pal.
- Goulds Mfg. Co.,** Seneca Falls, N. Y. Centrifugal Pumps. Mfr. Pal. General Electric Co. "Home Electrical."
- Graton & Knight Mfg. Co.,** Worcester, Mass. Flat, round and "V" leather belting, leather packing and gaskets. 2nd St. & Av. H.
- Harris Oil Company,** A. W., Providence, R. I. Lubricating oils. V. I. Pal., 4th St. & Av. E.
- Harron, Rickard & McCone,** San Francisco, Cal. (Collective Exhibit.) Hoists, Pumps. 4th & 5th Sts. & Aves. G & H.
- Hawlett Spiral Chute Co.,** San Francisco, Cal. Package Chute. 4th St. & Av. I.
- Parrott & Co.,** San Francisco, Cal. representatives. See ad on front cover.
- Hersey Manufacturing Co.,** So. Boston, Mass. Water Meters. 2nd St. and Av. H. Pacific Coast Branch, 461 Market St., San Francisco. J. W. Blair, Mgr.
- Home Chemical Company,** Oakland, Cal. Belt Dressing. 1st St. & Av. H.
- Hydraulic Press Mfg. Co.,** The, Mt. Gilead, Ohio. Hydraulic presses, pumps, valves. 2nd St., Aves. H & I.
- International Acheson Graphite Co.,** Niagara Falls, N. Y. Lubricants. 3rd & 4th Sts. & Av. G2.
- International Harvester Company of America,** Chicago, U. S. A. Apparatus for Lifting and Handling Water, etc. Agr. Pal. 4th St., bet. Aves. B & C.
- Jackson Iron Works,** Byron, San Francisco, Cal. Mine station pump. Min. Pal., "The Mine."
- Joyce-Oridland Co.,** Dayton, Ohio. Lifting Jacks. 4th St. bet. Aves. F & G.
- Kewanee Private Utilities Company,** Kewanee, Ill. Water Supply for Country Homes. 1st & 2nd Sts. & Av. E.
- Keystone Driller Company,** Beaver Falls, Pa. Drilling machines portable, for water, oil and mineral prospecting; power pumps and equipment. 4th St., bet. Aves. F & G.
- Krogh Manufacturing Company,** San Francisco, Cal. Centrifugal and Turbine Pumps. 3rd St., Aves. H & I.
- Lagoda Mfg. Co.,** Springfield, Ohio. Water Strainers, Automatic Valves. 2nd St. & Av. G2. Chas. C. Moore & Co., San Francisco, General Western Agents.
- Layne & Bowler Corporation,** Los Angeles, Cal. Power Pumps, Deep-well Pumps. 2nd St. & Av. G2.
- Link Belt Co.,** Philadelphia, Pa. Link Belt Silent Chains, Chain Drives. 2nd & 3rd Sts., Aves. H & I.
- Loetscher-Ryan Mfg. Co.,** Dubuque, Iowa. Refrig. Mach. Fd. Pr. Pal., 5th St., bet. Aves. D & E.
- Lucey Co.,** J. F., Pittsburg, Pa. Power Pumps and Deep-well Pumps. 5th St. & Av. F.
- Luitwieler Pumping Engine Co.,** Rochester, N. Y. Deep-well Pumps. 1st & 2nd Sts. & Av. E. Los Angeles, Luitwieler Pumping Eng. Co.; San Francisco, Simonds Machinery Co.
- Lunkenheimer Co.,** The, Cincinnati, Ohio. Lubricators. Oiling devices: oil cups, grease cups. 1st St. & Av. G2.
- Marland, W. J.,** San Francisco, Cal. Collective exhibit. 1st St. & Av. D.
- Meese & Gottfrid Co.,** San Francisco, Cal. (Collective Exhibit.) Conveying and Elevating Machinery. 2nd & 3rd Sts., Aves. H & I.
- Minnesota Manufacturers Association,** N. St. Paul, Minn. Conveying Machinery. Gravity Conveyors for handling boxes, cases, brick, tile, lumber and shingles. Spiral Chutes, Automatic Elevators, Belt and Power Conveyors for handling boxes, cases and all kinds of packaged merchandise. 4th & 5th Sts. & Av. H.
- Moran Flexible Steam Joint Co.,** Louisville, Ky. Barrel Fillers. 1st St. & Av. G2.
- National Brake & Electric Company,** Milwaukee, Wis. Air compressors and accessories. 3rd St., Aves. C2 & D.
- National Meter Co.,** New York, N. Y. Water Meters. For measuring water, oils and various kinds of liquids. 1st St. & Av. H. San Francisco Office, 141 New Montgomery St. Los Angeles Office, 411 South Main St.
- National Tube Company,** Pittsburg, Pa. Tubing, Pipes and Fittings. Min. Pal., Avenue D.
- Neptune Meter Company,** New York, N. Y. "Trident" Water Meters for every form of service. See Ad on Cover. 1st St. & Av. C2.
- New London Ship & Engine Company,** Groton, Conn. Air compressors. 4th & 5th Sts. & Av. E.
- Nuttall Co.,** E. D., Pittsburgh, Pa. Transmission gears, Trans. Pal., with Westinghouse Electric & Mfg. Co., under Dome.
- Oliver Continuous Filter Co.,** San Francisco, Cal. Filter. Min. Pal., Av. A & 6th St.
- Olsen Testing Machine Co.,** Tinian, Philadelphia, Pa. Machine for testing lubricants and bearing metals. 3rd St. & Av. E.
- Owen Bucket Co.,** The, Cleveland, O. Excavating machinery. 4th St. & Av. I.
- Pacific Tank & Pipe Co.,** San Francisco, Cal. Water tanks, piping and accessories. Min. Pal., 6th St., bet. Aves. A & B.
- Parrott & Co.,** San Francisco, Cal. Coll. exhibit hoisting engines. 4th & 5th Sts. & Av. I.
- Paul Automatic Pump Co.,** Fort Wayne, Ind. Centrifugal Pumps. Mfr. Pal. General Electric Co. "Home Electrical."
- Pawling & Harnischfeger Co.,** Milwaukee, Wis. Excavating machinery and accessories. 4th & 5th Sts. & Av. C2.
- Pelton Water Wheel Co.,** The, S. F., Cal. High-pressure centrifugal pumps. 4th & 5th Sts. & Av. F.
- Pennsylvania Flexible Metallic Tubing Co.,** Philadelphia, Pa. Tubing. 5th St. & A-

- Pittsburgh-Des Moines Steel Co., Pittsburgh, Pa.** Tanks and water-handling appliances. 5th St. & Av. E.
- Plant Rubber & Supply Co., San Francisco, Cal.** Asbestos. 5th St., nr. Av. F.
- Pneumercator Co., N. Y.** Instruments for weighing, registering and measuring depth and volume of liquids in tanks, etc. 1st St. & Av. C2. New York Office, 118 Liberty St. Gardner Cornett, President; James C. H. Ferguson, Pacific Coast Representative, Monadnock Building, San Francisco, Cal.
- Pyrene Mfg. Co., New York, N. Y.** Fire extinguishers, parts and fittings. 5th St. & Av. D.
- Quimby, W. E. Co., New York, N. Y.** Centrifugal Pumps. Mfr. Pal. General Electric Co. "Home Electrical."
- Redwood Manufacturers' Company, San Francisco.** Farm equipment. 15,000-gallon "Remco" machine-banded redwood stave pipe in operation. Miniature "Remco" redwood tank and tower. Sections of "Remco" pipe, machine-banded and continuous stave. 5th St. & Av. D.
- Reeves Pulley Co., Columbus, Ind.** Variable speed transmission device. 3rd St., bet. Avs. H & I.
- Refrigeration Plants Mfg. Co., Los Angeles, Cal.** Fd. Pr. Pal., Av. B, bet. 2nd & 3rd Sts.
- Remington Machine Co., Wilmington, Dela.** Refrig. Mach. Fd. Pr. Pal. Av. D & 1st St.
- Rheem Sheaf Mould Co., Helena, Mont.** Moulds. Agr. Pal., Av. B & 9th St.
- Robinson & Son Co., The, Wm. C., Baltimore, Md.** Robsoco lubricants. Autoline and Greoil, the oils and greases that "lubricate more and outlast others"; fifteen branches, distributors everywhere. 5th St. & Av. E. Pacific Coast distributing office, 417 Market street, San Francisco, Cal.
- Root Co., Connersville, Ind.** Rotary Pumps. Min. Pal., 6th St. & Av. A.
- Saginaw Manufacturing Co., Saginaw, Mich.** Wood split pulleys. 3rd St., bet. Avs. H & I.
- Sagen Derrick Co., Chicago, Ill.** Portable Derrick. 4th & 5th St. & Avs. C & C2.
- Scarfe, Geo. E., Nevada City, Cal.** Water Meter. 4th St. & Av. E.
- Schieren Co., Chas. A., New York, N. Y.** Leather belting and accessories. 2nd St. & Av. G.
- Searles, Mailler, San Francisco, Cal.** Coll. exhibit hoisting and conveying machinery. 3rd St. & Av. H.
- Sharp, F. P., Oakland, Cal.** Water Tapping Machine. 2nd St. & Av. H.
- Shepard Electric Crane & Hoist Co., Montour Falls, N. Y.** Electric cranes and hoists. 2nd St. & Av. I. Berger & Carter Co., San Francisco agents.
- Siebs, Gorman & Co., London, Eng.** Breathing apparatus. Min. Pal., 5th, bet. Avs. A & B.
- Simonds Machinery Co., San Francisco, Cal.** Coll. exhibit. Pumps and air compressors. 1st & 2nd Sts. & Av. E.
- Smith Manufacturing Co., The A. P., East Orange, N. J.** Tapping machines, valves, fittings. 2nd St. & Av. G2.
- Standard Gas Engine Co., San Francisco, Cal.** Hoisting engines. 1st & 2nd Sts., Avs. E & F.
- Standard Oil Company, San Francisco, Cal.** Lubricating oil for automobiles, air compressors, axles, ammonia, compressors, cream separators, gas engines, engines and machinery, harness, harvesters, marine steam cylinders, turbines; lubricating greases for engines and machinery, auto mobile axles, lathes, planers, shapers, electric machinery. 3rd St. & Avs. E & F. See general exhibit in Block 28, Palace of Mines and Metallurgy.
- Standard Pressed Steel Co., Philadelphia, Pa.** Steel shaft hangers and set collars. 3rd St., bet. Avs. H & I.
- Standard Underground Cable Company, Pittsburgh, Pa.** 3rd St. & Av. D. Wire braiding machines.
- Standard Woven Fabric Co., Framingham, Mass.** Woven belting and friction brake lining. 3rd & 4th Sts. & Av. G2.
- Star Drilling Machine Co., Akron, Ohio.** Deep well pumps. 2nd St., Avs. F & G.
- Sterling Iron Works, Stockton, Cal.** Centrifugal pumps. 1st St. & Av. H.
- Sunset Smelting & Refining Co., Oakland, Cal.** Bearing Metals. 1st St. & Av. H.
- Union Oil Company of California, S. F.** Producers and refiners petroleum. Exhibiting also in Mines Palace. Crude petroleum, mineral fuel, residuum oil fuel, fuel oil for stoves and furnaces, fuel for Diesel engines, fuel for gas engines; oil for making gas, oil for heating orchards, oil for spraying trees, illuminating oils, kerosene, etc.; lubricating oils for machines, lubricating oils for engines, floor oil, mineral turpentine, lubricating greases, lubricating oils for steam engine cylinders, lubricating oils for gas engine cylinders. 2nd St. & Av. G2.
- United Pump & Power Company, Milwaukee, Wis.** Pumps. Pneumatic water pumping and distributing system. 3rd St., bet. Avs. C2 & D.
- Vulcan Iron Works, San Francisco, Cal.** Refrigerating Machinery. Fd. Pr. Pal., Av. C & 8th Sts.
- Weber Subterranean Pump Co., New York, N. Y.** Pumps. Air operated pumps for private homes and industrial uses. 1st St. & Av. C2.
- Westinghouse Air Brake Co., Pittsburgh, Pa.** Air brakes. Air compressors and accessories. 3rd St., Avs. C2 & D.
- Westinghouse Pacific Coast Brake Co., San Francisco, Cal.** Air compressors and accessories, air brakes. 3rd St., Avs. C2 & D.
- Westinghouse Traction Brake Co., Pittsburgh, Pa.** Air brakes. Air compressors and accessories. 3rd St., Avs. C2 & D.
- Wolverine Lubricants Co., New York, N. Y.** Petroleum lubricating oils. Min. Pal., 4th St. bet. Avs. C & D.
- Wood, E. D. & Company, Philadelphia, Pa.** Pipe. Cast iron water pipe, hydrants, valves, fittings, valve indicator posts with photos of pumping machinery, hydraulic tools, gas producers, gas holders and centrifugal pumps. South Entrance.
- Woodrow, C. B., New York, N. Y.** Refrig. Mach. Fd. Pr. Pal., Av. B, bet. 5th & 6th Sts.
- Worthington, H. B., New York, N. Y.** Power Pumps. (In service) Hor. Pal.
- Yarnall-Waring Company, Philadelphia, Pa.** Water Meters. 2nd St. & Av. D.

Co., York, Pa. Refrig. Mach. Fd.
Av. B, cor. 6th St.

on Works, C. J., Seattle, Wash.
all excavator bucket. 4th St. &

chinery Co., The, A. L., San Fran-
al. Col. Ex., 4th St. & Av. D.

GROUP 90

S FOR SHAPING WOOD AND METALS

chinery Company, Cleveland, Ohio.
rivet-making machinery. 5th St.,
G & H.

tric Co., Ludington, Mich. Electric
Riveters. Mfr. Pal. General Elec-
"Home Electrical."

B. Co., Chicago, Ill. Soldering
V. I. Pal., Block 18.

Manufacturing Co., T. E., Ashburn-
ass. Drill chucks. 3rd & 4th Sts.
32.

Swiss File & Tool Co., New York.
4th. Pal. Gallery.

Tool Works Co., The, Cincinnati, O.
3rd & 4th Sts. & Av. G2.

dne Company, The, Max, Mt. Ver-
Y. Can-making and sheet metal
machinery. 1st St., Avs. H & I.
t Carter Co., San Francisco agents.

Bros., Tool Co., Chicago, Ill.
nd planer tools, drills. 4th St. &

Company, E. C., Indianapolis, Ind.
d. Circular and band saws for
metal, hacksaws; mandrels. 5th
Avs. C & D.

el Works, The, Aurora, Ind. Drill
4th St., bet. Avs. G & G2.

Quadrager, Webber, Mass. Machine
3rd & 4th Sts. & Av. G2.

Fred, Madera, Cal. Gang punch.
& Av. H.

Manufacturing Co., Montrose, Pa.
sawing machines (wood working),
& Av. G.

Carter Company, San Francisco,
lective exhibit. 1st & 2nd Sts. &

o., E. W., Brooklyn, N. Y. Sheet
orking machinery, power presses,
l special machinery for cutting,
and embossing sheet metal goods,
ging machinery, automatic tin can
y. 3rd St., Avs. F & G.

Iron Foundry, Providence, R. I.
and polishing machinery. 4th St.
2.

Miller Machine Works, San Fran-
d. Patent electric grinder; patent
milling machine; patent oil retain-
i St. & Av. H.

nn Co., The, Niagara Falls, N. Y.
materials. 4th St. & Av. H.

l Mfg. Co., Inc., Milwaukee, Wis.
wood-sawing machines. 5th St.,
H & I.

Machine Co., Philadelphia, Pa.
wheel machines. 3rd & 4th Sts.
2.

Cincinnati Iron & Steel Co., Cincinnati, O.
Lathes. 5th St., bet. Avs. G & H.

Crane Co., Chicago, Ill. Pipe cutting and
threading machines. 3rd St., Avs. D & E.

Crescent Machine Co., Leetonia, Ohio. Wood-
working machinery. 4th St. & Av. G2.

Davis-Bournonville Co., New York, N. Y.
Oxy-Acetylene equipment. Mfr. Pal. 5th
St. & Av. A.

Detroit Twist Drill Co., Detroit, Mich. Tools.
Twist drills, taper, straight, square, shanks,
reamers, hand taper pin, carbon and high-
speed twist drills. Pal. V. I., 3rd St. &
Av. A.

Diston & Sons, Inc., Henry, Philadelphia, Pa.
Files and metal-cutting saws. Mfr. Pal.,
Av. C, cor. 8th St.

Dolg, Estate of W. S., Brooklyn, N. Y. Box
nailing machines. 3rd & 4th Sts. & Av. G.

Dreis & Krump Mfg. Co., Chicago, Ill. Sheet
metal working machinery. 3rd St. & Av. G2.

General Electric Co., Schenectady, N. Y.
Electric Drill, Grinding Machines, Tung-
sten High-speed Lathe Tools. Mfr. Pal.
"Home Electrical."

Geometric Tool Co., The, New Haven, Conn.
Automatic thread cutting taps and dies. V.
I. Pal., Av. B, 1st and 2nd Sts.

Germantown Tool Works, Philadelphia, Pa.
Machinists' hammers. V. I. Pal., Av. A
& 2nd St.

Gilro Machine Company, Oakland, Cal. Power
punch presses. 4th St. & Av. I.

Gould & Eberhardt, Newark, N. J. Shapers
and gear cutters. 3rd & 4th Sts. & Av. G2.

Grant Mfg. & Machine Co., Bridgeport, Conn.
Riveting machines. 5th St., bet. Avs. G
& H.

Great Western Outting & Welding Co., San
Francisco, Cal. Acetylene equipment. 2nd
St. & Av. I.

Hanchett Swage Works, Big Rapids, Mich.
Power wood saws and saw fitting machin-
ery. 3rd St. & Av. B.

Harron, Richard & McCona, San Francisco,
Cal. Collective exhibit iron and wood-work-
ing machinery. 4th & 5th Sts., Avs. G
& H.

Hauck Mfg. Co., Brooklyn, New York. Port-
able brazing and oil heating burners. 5th
St. & Av. G.

Henderson-Willis Company, St. Louis, Mo. 2nd
Oxy-acetylene equipment. 2nd St. & Av. F.
I & 1st St.

Hoggen & Pettis Mfg. Co., New Haven, Conn.
Dies and lathe chucks. Av. B & 1st St.,
Pal. V. I.

Horton & Son Co., The E., Windsor Locks,
Conn. Lathe and drill chucks. 3rd & 4th
Sts., Av. G2.

Hydraulic Press Mfg. Co., The, Mt. Gilead, O.
Hydraulic presses, pumps, valves. 2nd St.,
Avs. H & I. Berger & Carter Co., San
Francisco agents.

Ideal Stencil Machine Co., Belleville, Ill.
Stencil cutting machine. 5th St. & Av. E.
F. F. Mannion, Div. Sales Mgr., 417 Market
St., S. F.

International Harvester Company of America
Chicago, U. S. A. Special machinery for
grinding and shaping metals, etc. Agr. Pa
4th St., bet. Avs. B & C.

Kempthorn Mfg. Co., The, New-
York. Milling machines. 3rd & 4th St.

- Lagonda Mfg. Co., The, Springfield, Ohio.** Valve seating machines and die cutters. 2nd St. & Av. G2.
- Landis Tool Company, Waynesboro, Pa.** Grinding and boring machines. 4th St. & Av. G2.
- Lea-Courtenay Co., Inc., New York, N. Y.** Cold steel saws. 5th St., bet. Avs. G & H.
- Leaver Manufacturing Co., The, Oakland, Cal.** Lumber cut-off saws. 4th St. & Av. I.
- LeBlond, E. K., Mach. Tool Co., Cincinnati, O.** Electric Driven Lathe. Mfr. Pal. General Electric Co. "Home Electrical."
- MacLeod Co., The, Cincinnati, Ohio.** Heaters, burners, and oxy-acetylene equipment. Av. L & 1st St.
- Marland, W. J., San Francisco, Cal.** Collective exhibit. 1st St. & Av. D.
- Mitts & Merrill, Saginaw, Mich.** Key seating machines. 3rd & 4th Sts., Av. G2.
- Morton Manufacturing Co., Muskegon Heights, Mich.** Machine tools. 4th St., Av. G.
- Niagara Machine & Tool Works, Buffalo, N.Y.** Sheet metal working tools and machinery. 3rd St. & Av. G2.
- Olsen, Tinius, Testing Machine Company, Philadelphia, Pa.** Testing machines. 3rd St. & Av. E.
- Oster Manufacturing Co., Cleveland, Ohio.** Pipe threading machines. 4th St. & Av. G2.
- Pacific Tank & Pipe Co., San Francisco, Cal.** Special lathes. Min. Pal., 6th St., bet. Avs. A & B.
- Parker Machine Works, Riverside, Cal.** Box-nailing machinery. 5th St. & Av. C.
- Parrott & Co., San Francisco, Cal.** Collective exhibit portable wood-sawing machinery. 4th & 5th Sts. & Av. I.
- Quality Saw & Tool Works, Chicago, Ill.** Hack saws. 3rd & 4th Sts. & Av. G2.
- Reed Manufacturing Co., Erie, Pa.** Bench vises, pipe vises, stocks and dies, pipe cutters. Mfrs. 1st St. & Av. D.
- Schleuter, M. L., Chicago, Ill.** Floor surfacing machines. 3rd St., bet. Avs. B & C.
- Simonds Manufacturing Company, Fitchburg, Mass.** Saws, metal cutting. Mfr. Pal., 6th St., bet. Avs. C & D.
- Smith Mfg. Co., The A. P., East Orange, N.J.** Supplies, tapping machines, fittings and supplies for water works; machines for making connections to mains under pressure; machines for inserting cocks; machines for inserting valves under pressure; machines for testing meters, all sizes; machines for cutting pipe, no waste; machines to locate underground pipe; hydrants for warm and cold climates; hydrants for high-pressure service; hydrants for filling sprinkling carts; fittings for use with tapping machines; furnaces for melting lead with kerosene; valves for all kinds of service; removable cast iron plugs; corporation cocks for all machines; curb cocks, all kinds and styles; brass goods for water and gas works. 2nd St. & Av. G2.
- Smith Cannery Machines Co., Seattle, Wash.** Wood working cutters. 4th St. & Av. A.
- Smith & Mills Co., The, Cincinnati, O.** Shaping machines. See exhibit installed in Block G1, in Palace of Machinery. 4th St. & Av. G2.
- Shore Instrument Co., New York, N. Y.** Scleroscope, measuring instrument. 5th St. bet. Av. B & C.
- Stockbridge Machine Co., Worcester, Mass.** 4th St. & Av. G2. Machine tools.
- Sturges & Co., Oakland, Cal.** Riveting machines. 1st St. & Av. H.
- Sumner Iron Works, Everett, Wash.** Shingle mill machinery. 3rd & 4th Sts., Avs. A & B.
- Sunset Smelting & Refining Co., Oakland, Cal.** Fluxes for brazing. 1st St. & Av. H.
- Superior Corundum Wheel Co., Waltham, Mass.** Grinding and abrasive materials. 3rd & 4th Sts., Av. G2.
- Temco Electric Motor Co., The, Leipsic, O.** Electric-driven tools, buffers, grinders. 1st St. & Av. I. Berger & Carter Co., San Francisco representative.
- Thompson & Son Co., Henry G., New Haven, Conn.** Metal cutting tools. V. I. Pal., Av. B & 2nd St.
- Union Caliper Co., Orange, Mass.** Mechanics' hand tools. 3rd & 4th Sts. & Av. G2.
- U. S. Army, Washington, D. C.** Cartridge making machines. 2nd St. & Av. A.
- U. S. Electrical Tool Co., The, Cincinnati, O.** Electric hand drills and grinders. 4th St. & Av. G2.
- Ward & Son, Fred, San Francisco, Cal.** Collective exhibit. 3rd & 4th Sts. & Av. G2.
- Warner & Swasey Company, The, Cleveland, O.** Machine tools, special lathes. 3rd St. & Av. G.
- Waterbury Farrel Foundry & Machine Co., The, Waterbury, Conn.** Drop hammers, punch presses. 2nd St. & Av. E.
- Watson-Stillman Co., The, New York, N. Y.** Hydraulic packings, valves, fittings, pumps, etc. V. I. Pal., Av. A & 2nd St.
- Western Tool & Mfg. Co., The, Springfield, O.** Machine shop accessories. 4th St. & Av. H.
- West Haven Manufacturing Co., The, New Haven, Conn.** Hand and power hack saws. Pal. V. I., Av. B, 1st & 2nd Sts.
- Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.** Small motors, with tool attachments; small motors with chucks; carborundum wheels, brush wheels; pulleys; tool rests. 3rd St. & Av. C.
- Williams & Co., J. H., Brooklyn, N. Y.** Drop-forged tools. 2nd St. & Av. E.
- Williams Tool Company, Erie, Pa.** Pipe-threading machines. 5th St., bet. Avs. G & H.
- Yarnall-Waring Company, Philadelphia, Pa.** Hydraulic valve. 2nd St. & Av. D.
- Young Machinery Co., The, A. L., San Francisco, Cal.** Collective exhibit. 4th St. & Av. D.

GROUP 91

ELECTRICAL GROUPS

COMMUTATING APPARATUS

- Berger & Carter Co., San Francisco, Cal.** Commutating motors (collective exhibit). 5th St. & Av. I.
- Century Electric Co., St. Louis, Mo.** Commutating motors. 1st St. & Av. C.
- Crocker-Wheeler Co., San Francisco, Cal.** Direct current electric motors. Min. Pal., 5th St. & Av. A.
- Electro-Dynamic Co., Bayonne, N. J.** Direct-current motors. 4th & 5th Sts. & Av. E.
- General Electric Co., Schenectady, N. Y.** Mfr. Pal. "Home Electrical." Direct Current Generators, DC and AC Commutating Type Motors; DC and AC Commutating Type Railway Motors, Transportation Pal., Av. C, cor. 2nd St.
- Robbins & Myers, The, Co., Springfield, Ohio.** Commutating motors, generators, induction motors, fans. 2nd St. & Av. C2.
- Shepard Electric Crane & Hoist Co., Montour Falls, N. Y.** Commutating motors. 2nd St. & Av. I.
- Tamco Electric Motor Co., The, Leipsic, O.** Small motors. 1st St. & Av. I.
- Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.** Direct current interpole generator; 3rd St. & Av. E. Direct and alternating current commutating type motors, 3rd St. & Av. C. Motor generator sets; direct and alternating current commutating type railway motors; pressed steel frame railway motor; Transportation Palace, under Dome.

GROUP 92

SYNCHRONOUS APPARATUS

- Cambria Steel Co., Philadelphia, Pa.** Converters. Kelley steel converter used at Cambria Iron Works 1861-1882. The pioneer converter of America. Trans. Pal., 3rd St. & Court of Honor Boulevard.
- Century Electric Co., St. Louis, Mo.** Split phase motors. Av. C & 1st St.
- General Electric Co., Schenectady, N. Y.** Mfr. Pal. "Home Electrical." Synchronous Motors.
- Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.** Alternating current turbine type generator, 4th St. & Av. C.

GROUP 93

STATIONARY INDUCTION APPARATUS

- General Electric Co., Schenectady, N. Y.** Mfr. Pal. "Home Electrical." Transformers, Transformer Vault; Induction Starters, Dodge Mfg. Co., Mch. Pal.
- Maloney Electric Co., St. Louis, Mo.** Transformers. Subway transformers; potential transformers; current transformers; variable voltage transformers; sign lamp transformers. 1st St. & Av. C.
- Pacific Electric Manufacturing Co., San Francisco, Cal.** Electric switches, indoor oil brake switches; outdoor oil brake switches; poletop air brake switches; isolating links; current breakers; remote control switches; outdoor sub-stations. 1st St. & Av. C.
- Sammons Electric Co., Springfield, Ill.** Current and potential transformers and resistance ducts. 2nd St. & Av. C2.
- Electric Mfg. Co., Chicago, Ill.** Transformers. 1st & 2nd Sts. & Av. D.

Western Transformer Co., East Oakland, Cal. Electric transformers. 2nd St., bet. Avs. C & C2.

Westinghouse Electric & Mfg. Co., Pittsburgh, Pa. Transformers, auto-transformers, potential and constant current regulators, auto-starters, 3rd St. & Av. C.

GROUP 94

ROTARY INDUCTION APPARATUS

- Century Electric Co., St. Louis, Mo.** Induction motors. 1st St. & Av. C.
- Denver Engineering Works, The, Denver, Colo.** Induction Motors. Min. Pal., "The Mine."
- Fairbanks, Morse & Co., Chicago, Ill.** Motors. 1st St. & Av. C2.
- General Electric Co., Schenectady, N. Y.** Mfr. Pal. "Home Electrical." Induction Motors.
- Neuland Electric Co., San Francisco, Cal.** Electric generators. 1st St., bet. Avs. C2 and D.
- Robbins & Myers Co., The, Springfield, Ohio.** Induction motors. 2nd St. & Av. C2.
- Wagner Electric Co., St. Louis, Mo.** Single phase motors. 1st St. & Av. D.
- Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.** Induction motors, controllers, brakes. 3rd St. & Av. C.

GROUP 95

RECTIFYING APPARATUS

- General Electric Co., Schenectady, N. Y.** Mfr. Pal. "Home Electrical." Mercury Arc Rectifiers, Vibrating Rectifiers, Kenotron Hot Cathode Rectifiers.
- Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.** Mercury arc rectifier, 3rd St. & Av. C. Mercury arc and vibrating rectifiers, Transportation Palace, under Dome.

GROUP 97

LUMINOUS APPARATUS (Sources of Light)

- Central Telephone & Electric Co., St. Louis, Mo.** Electric hand lanterns. 1st St. & Av. D.
- General Electric Co., Schenectady, N. Y.** Mfr. Pal. "Home Electrical." Arc Lamps, Mazda Lamps, Luminous Arc Lamps, Mercury Arc Rectifier Tubes. See also all lamps used in illuminating P. P. I. Exposition.
- International Acheson Graphite Co., Niagara Falls, N. Y.** Graphite electrodes. 3rd & 4th Sts., Av. G2.
- Inter-State Electric Novelty Co., New York, N. Y.** Electric battery lamps. V. I. Bldg. 18.
- Marland, W. J., Oakland, Cal.** Electric hand lanterns. (Collective exhibit.) 1st St. & Av. D.
- Mohrlite Co., San Francisco, Cal.** Electric lamps and lighting system. 1st St., bet. Avs. C & C2.
- Wizard Electric Lamp Co., San Francisco, Cal.** Portable electric lamp. V. I. Pal. 3rd St., Avs. C & D.
- Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.** Arc lamps, luxolite fixtures, 3rd St. & Av. C.
- Westinghouse Lamp Co., Elm**
Mazda lamps. 3rd St. & A

GROUP 98

**MEASURING, INDICATING AND RECORD-
ING APPARATUS**(Not including Instruments for Pure Science
and Research Work.)

- Baruch Electric Controller Corp., San Francisco, Cal. Thermo relays. Aves. C & 1st St.
- Bristol Company, The, Waterbury, Conn. Recording pressure and vacuum gauges, thermometers, volt meters, ammeters, tachometers, flow meters, water level gauges, etc. Mch., 2nd St., cor. Av. D.
- General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Household and Switchboard Meters, Portable and Switchboard Instruments, Temperature Indicators, Curve Drawing Instruments. See also Pelton Water Wheel Co. and McIntosh-Seymour Corp. Exhibits, Mch. Pal.
- Grove Electric Indicator Co., Washington, D. C. Underground indicator. 2nd St. & Av. D.
- Hoyt Electrical Instrument Works, Pensacola, N. H. Electric measuring instruments. V. I. Pal., 2nd St. & Av. B.
- Industrial Instrument Co., The, Foxboro, Mass. Electric indicating and recording instruments. 3rd St. & Av. C2.
- Marland, W. J., San Francisco, Cal. Collective exhibit. Flow meters and ammeters. 1st St. & Av. D.
- Pignolet, Louis M., New York, N. Y. Flow meters and ammeters. 1st St. & Av. D.
- San Francisco Elevator Co., San Francisco, Cal. Electric switch. West entrance.
- Sangamo Electric Co., Springfield, Ill. Electric measuring and recording instruments. 2nd St. & Av. C2.
- Smith Manufacturing Co., The A. P., East Orange, N. J. Electric pipe locating machines. 2nd St. & Av. G2.
- Thordarson Electric Mfg. Co., Chicago, Ill. Electric measuring and recording apparatus. 1st & 2nd Sts. & Av. D.
- Westinghouse Electric & Mfg. Co., Pittsburgh, Pa. Instruments attached on and apart from switchboards. Portable and laboratory instruments, Transportation Pal., under Dome.

GROUP 99

APPARATUS FOR PROTECTION OF ELECTRIC APPARATUS AND FOR CONTROL AND DISTRIBUTION OF ELECTRIC ENERGY, OTHER THAN RAILWAY MATERIAL.

- Acme Wire Co., New Haven, Conn. Electromagnet windings. Av. B & 2nd St., V. I. Pal.
- American Bridge Co., Pittsburg, Pa. Steel tower and poles. Min. Pal., Av. D.
- American Pulley Co., The, Philadelphia, Pa. Steel reels and spools. 4th St. & Av. I.
- American Sheet and Tin Plate Co., Pittsburg, Pa. Sheet metals for electric uses. Av. D, Min. Pal.
- American Steel & Wire Co., Chicago, Ill. Electric wire and cables. Min. Pal., Av. D.
- Baruch Electric Controller Corporation, San Francisco, Cal. Electric circuit breakers and thermo relays. Av. O & 1st St.
- Benjamin Electric Mfg. Co., Chicago, Ill. Electric light fittings. V. I. Pal., 3rd St. & Av. E.

- Bowie Switch Co., The, San Francisco, Cal. Electric switches and accessories. 2nd St. bet. Aves. C & C2.
- Diamond Expansion Bolt Co., New York, N. Y. Electric line material. Mfr. Pal., Cor. Av. C & 8th St.
- D. & W. Fuse Co., Providence, R. I. Electric fuses. Av. A & 2nd St.
- Economy Fuse & Mfg. Co., Chicago, Ill. Electric fuses. 1st St. & Av. D.
- Electric Products Co., Cleveland, O. Battery charging apparatus. 5th St. & Av. C2.
- Fairbanks, Morse & Co., Chicago, Ill. Starting devices. 1st St. & Av. C2.
- General Electric Co., Schenectady, N. Y. Mfr. Pal. "Home Electrical." Switchboards, Oil Switches, Circuit Breakers, Industrial Electric Control Devices, Wire and Cable, Wiring Devices, Moulded Compounds, Shellac Tubes, Thermenamel Coated Wires, Boreas Regulator, Sheathwire, Metite, Carbon and Graphite Brushes, Lightning Arresters, Trns. Pal., Av. C, cor. 2nd St.
- Germantown Tool Works, Philadelphia, Pa. Lineman's axes. Av. A & 2nd St.
- Gest, Guion M., New York, N. Y. Underground electric conduit systems. 3rd St., bet. Aves. O & D.
- Gest, G. M., Conduit Engineer and Contractor. 3rd St., bet. Aves. O & D. New York, Cincinnati, San Francisco. Executive offices, Woolworth Bldg., New York.
- Gest, G. M., Ltd., Conduit Engineer and Contractor, Montreal, Winnipeg, Vancouver (Head office, Power Bldg., Montreal). 3rd St., bet. Aves. O & D.
- International Acheson Graphite Co., Niagara Falls, N. Y. Graphite products. Min. Pal., bet. 4th & 5th Sts.
- Klein, Mathias & Sons, Chicago, Ill. Electric line material. V. I. Pal., Av. A & 3d St.
- Locke Insulator Co., The, Victor, N. Y. Insulators and insulator fittings. Main West Entrance. With Technical Pub. Co.
- Moloney Electric Co., St. Louis, Mo. Sign lamp transformers. 1st St. & Av. C.
- Pacific Electric Mfg. Co., San Francisco, Cal. Electric switches, circuit breakers, etc. 1st St. & Av. C.
- Pacific Tank & Pipe Company, San Francisco, Cal. Wood pipe used in distribution of currents and control of distribution other than station. Min. Pal., 6th St. bet. Aves. A & B.
- Porter, H. K., 6 Ashland St., Everett, Mass. Electric wire cutters, modifications of bolt clipper, having wider openings to admit wires with insulating coverings. Also made with automatic hook for fire department use. V. I. Pal., Av. A & 3rd St.
- Sangamo Electric Co., Springfield, Ill. Circuit electric equipment. 2nd St. & Av. C2.
- Smith & Hemenway Co., New York, N. Y. Lineman's tools. V. I. Pal., Av. A & 3d St.
- Spencer Turbine Cleaner Co., The, Hartford, Conn. Vacuum cleaning apparatus. Mfr. Pal., 7th St., Av. B & 8th St. Exhibit with Westinghouse Elec. Co., Rotunda, Trans. Pal.
- Standard Underground Cable Co., Pittsburg, Pa., and Associate Canadian Company of Hamilton, Ont. Wires and cables. Electric wires and cables, bare and insulated; cable terminals; junction boxes; jointing materials, etc.; cables in various stages of manufacture, from rough cop-

per ingot or bar to finished product. Copper wire bars used as posts, and large bare-copper cable as railing of space enclosure. Two braiding machines in operation weaving cotton insulating braid on conductors. Samples of early types of cables made 25 years ago. Cable terminals used in Panama Canal Zone. Cables and junction boxes installed in underground conduits and manholes. In the booth of G. M. Gest, adjoining that of the Standard Underground Cable Co., there is shown an actual installation of these cable accessories in power, transformer and telephone manholes. Cor. Av. D & 3rd St.

Temco Electric Motor Co., The, Leipsic, O. Portable electric buffers, grinders, small motors. **Berger & Carter Co., San Francisco** agents.

Thomas & Sons Co., E., East Liverpool, Ohio. Insulators, high and low tension insulators, porcelain, pin and suspension insulators, roof bushings, post insulators, line material, pins, cross-arms. 1st St. & Av. C2.

Trumbull Electric Mfg. Co., Plainville, Conn. Electric insulation material. Av. A & 2nd St.

Tabular Woven Fabric Co., Pawtucket, R. I. Electric conduit. V. I. Pal., 3rd St. & Av. E.

Union Metal Mfg. Co., Canton, O. Trans. Pal. General Electric Co. Av. C, cor. 2nd St. Metal Lamp Standards.

U. S. Steel Corporation & Subsidiary Co.'s, New York. Collective iron and steel exhibit. Mines Palace.
Am. Bridge Co., Pittsburgh. Steel tower and poles.
Am. Sheet & Tin Plate Co., Pittsburgh. Electrical sheets.
Am. Steel & Wire Co., Chicago. Wires and cables.

U. S. Light & Heating Co., Niagara Falls, N.Y. 1st St., cor. Av. D, Mach. Pal. U. S. L. electric starter and lighter for automobiles; U. S. L. electric home lighting plants; U. S. L. storage batteries for all purposes. See Sangamo Electric Co.'s exhibit of U. S. L. lighting equipment for railroad cars.

Westinghouse Electric & Mfg. Co., Pittsburgh, Pa. Complete switchboard, 3rd St. & Av. E. Switches, circuit breakers, etc., blow torches, soldering materials, 3rd St. & Av. C. Switchboards; lightning arresters; switches, circuit breakers, fuses, fuse holders. Automobile and garage accessories and electrical equipment. Transportation Palace, under Dome.

Western Electric Co., New York, N. Y. Electric wires and cables. Mfr. Pal., 8th St. bet. Avs. B & C.

Wilcox, Crittenden & Co., Middleton, Ct. Wire rope fittings. V. I. Pal., Av. A & 3rd St.

Worship & Co., Halifax, Eng. Electric starting set. Mfg. Pal., Av. C & D, 1st & 2nd Sts.

GROUP 100

ELECTRO-CHEMICAL APPARATUS

Edison Storage Battery Co., East Orange, N. J. Storage batteries. 1st St. & Av. D.

Electric Products Co., Cleveland, O. Storage batteries. 5th St. & Av. C2.

Electric Storage Battery Co., Philadelphia, Pa. Mfr. Pal. General Electric Co. "Home Electrical." Exide Batteries.

International Acheson Graphite Co., Niagara Falls, N. Y. Granular graphite. 3rd & 4th Sts. & Av. G2.

Inter-State Electric Novelty Co., New York, N. Y. Flashlight batteries. Mfr. Pal., Av. A & 3d St.

EXHIBITS CLASSED IN OTHER DEPARTMENTS BUT INSTALLED IN MACHINERY PALACE

LIBERAL ARTS DEPARTMENT

Aladdin Co., New York, N. Y. Therapeutic Lamp. 1st St. & Av. D.

American Automatic Press Co., San Francisco, Cal. Printing press. Av. A, bet. 3rd & 4th Sts.

"American Machinist," New York, N. Y. Technical publication. 1st St. bet. Avs. C & C2.

Austin-Western Road Machinery Co., San Francisco, Cal. Road machinery. 4th St. bet. Avs. C & D.

Ames-Harris Neville Co., San Francisco, Cal. Box printing presses. 5th St. & Av. C.

Baker Manufacturing Co., Springfield, Ill. Contractors' machinery. 4th & 5th Sts., Avs. C & C2.

Blair-Murdoch Co., San Francisco, Cal. Printing processes. Av. A, bet. 3rd & 4th Sts.

Bond Company, Harold L., Boston, Mass. Sewer cleaning tools. 4th St. & Av. I.

Bonney Supply Co., Rochester, N. Y. Rapid loader for dump wagons. 4th St. & Av. I.

Brown Barotype Co., Chicago, Ill. Sing casting and composing machine. 5th St. bet. Avs. A & B.

Chas. Bell Co., Milwaukee, Wis. Concrete mixers. 4th St. bet. Avs. C & D.

C. H. & E. Mfg. Co., Milwaukee, Wis. Contractors' equipment. 5th St. bet. Avs. H & I.

"Coal Age," New York, N. Y. Periodicals. 1st St. bet. Avs. C' & C2.

Collins Interlocking Steel Studding Co., San Francisco, Cal. Steel studding. 4th St. & Av. I.

Concrete Appliance Co., Los Angeles, Cal. Concrete mixers. 4th St. & Av. I.

Eclipse Scaffolding Co., Omaha, Neb. Patent scaffolding. 5th St. nr. Av. H.

Electric Railway Journal (weekly), New York, N. Y. Electric Railway & Engineering publication. 2nd St. & Av. C. S. F. Office, Rialto Bldg.

Electrical World (weekly), New York, N. Y. Electrical Engineering publication. 2nd St. & Av. C. S. F. Office, Rialto Bldg.

Engineering & Mining Journal, New York, N. Y. Technical publication. 1st St. bet. Avs. C & C2.

Engineering News, New York, N. Y. Technical publication. 1st St. bet. Avs. C & C2.

Engineering Record (Weekly), New York, N. Y. 2nd St. & Av. C. (Civil Engineering & Contracting. S. F. Office, Rialto Bldg.)

Erie Machine Shops, Erie, Pa. Contractors' machinery. 4th St. & Av. C2.

Foots Mfg. Co., Nunda, N. Y. Concrete mixers. 4th & 5th Sts., Aves. C & C2.

Gallon Iron Works, Gallon, O. Road making machinery. 4th & 5th Sts., Aves. C & C2.

Glide Road Machine Co., Minneapolis, Minn. Road graders. 4th St. & Av. D.

Graves-Spears Road Machinery Co., San Francisco, Cal. Road making machinery. 5th St. & Av. A.

Hall Co., Norman F., San Francisco, Cal. Book binding machinery. 4th St., Aves. B & C.

Haynes, M., Oakland, Cal. Road machinery. 4th & 5th Sts., Aves. C & C2.

Hanovia Chemical Mfg. Co., Newark, N. J. Therapeutic lamp. 1st St. & Av. D.

Headley Good Roads Co., Philadelphia, Pa. Road making machinery. 4th St. & Av. D.

Hearst, W. E., New York, N. Y. Printing press. 4th St., Aves. A & B.

Hill Publishing Co., New York, N. Y. Electric mechanical periodicals. 1st St., bet. Aves. C & C2.

Hvass & Co., Inc., Chas., New York, N. Y. Road machinery. 4th St. & Av. D.

Iroquois Iron Works of the Barber Asphalt Paving Co., Philadelphia, Pa. Road rollers. 5th St. & Av. I.

Jaeger Machine Works, Columbus, O. Concrete mixers. 4th & 5th Sts., Aves. C & C2.

Kelly-Springfield Road Roller Co., Springfield, O. Road rollers. 4th St. & Av. D.

Koehring Machine Co., Milwaukee, Wis. Concrete mixers. 4th St. bet. Aves. F & G.

Lanston Monotype Co., San Francisco, Cal. Typesetting machine. 5th St. & Av. B.

MacLeod Co., Cincinnati, O. Incinerators. 1st St. & Av. I.

McGraw Publishing Co., New York, N. Y. Technical publications. 2nd St. & Av. O.

Mergenthaler Linotype Co., San Francisco, Cal. Typesetting machine. 5th St. & Av. A.

Merritt Hydraulics Co., Philadelphia, Pa. Sewage disposal equipment. 1st St. & Av. D.

Metallurgical & Chemical Engineering, New York, N. Y. (Monthly.) Engineering publication. 2nd St. & Av. C. S. F. Office, Rialto Bldg.

Nicholas Power Co., New York, N. Y. Moving picture machine. 1st St. & Av. D.

Olney, A. S., Oakland, Cal. Concrete mixer. 1st St. & Av. H.

Otis, Elevator Company, New York and San Francisco. Passenger Elevators, Gearless Traction; Alternating Current Variable Speed Worm Gear Traction; Safety Devices; Push button control electric passenger elevator in service for Machinery Hall Officials; Freight Elevators in service in the Tower of Jewels; Lubricants and Repair Parts, etc. 1st St., Aves. F & G. San Francisco Offices and Works, Beach, Stockton and North Point Sts. Offices in all principal cities of the world.

Pacific Press Publishing Company, San Francisco, Cal. Bound books in various languages. Av. B & 5th St.

Patent Scaffolding Co., New York, N. Y. Safety scaffolding machines. 5th St. & Av. H.

"Power," New York, N. Y. Technical publication. 1st St. bet. Aves. C & C2.

Randall Elevator Door Control Co., San Francisco, Cal. Electric door control. 3rd St. & Av. C.

Russell Grader Manufacturing Co., Minneapolis, Minn. Road machinery. 4th St. & Av. I.

Reed Co., George Russell, San Francisco, Cal. Printing, engraving. 5th St. & Av. A.

Rusknot Co., Oakland, Cal. Rust preventing compound. 1st St. & Av. D.

Shelton Electric Company, New York, N. Y. Electric vibrators. 1st St. & Av. D.

Sturtevant Mill Co., Boston, Mass. Contractors' material. 4th & 5th Sts., Aves. G & H.

Technical Publishing Co., San Francisco, Cal. Technical publications. Main west entrance.

Universal Crusher Co., Cedar Rapids, Ia. Contractors' machinery. 4th & 5th Sts., Aves. C & C2.

Waterloo Cement Machinery Co., Waterloo, Iowa. Concrete mixers. 4th St. & Av. D.

MANUFACTURES DEPARTMENT

American Pulley Co., Philadelphia, Pa. Pulleys and pressed steel shapes. 4th St. & Av. I.

Burnett Iron Works, J. H., Fresno, Cal. Lock nut. 1st St. & Av. H.

de Laitte Automatic Gas Machine Co., San Francisco, Cal. Gas machine. 5th St. & Av. G.

Fess System Co., San Francisco, Cal. Burners for heaters. 5th St. & Av. F.

Graham Mfg. Co., Jas., Newark, Cal. Gas, coal and wood ranges. 1st St. & Av. H.

Home Washing Machine Co., Inc., Brooklyn, N. Y. Washing machine. 1st St. & Av. D.

Hungerford, U. T., New York, N. Y. Brass railing. West main entrance.

Innovation Electric Co., Inc., New York, N. Y. Suction cleaners. 1st St. & Av. D.

Kewanee Private Utilities Co., Kewanee, Ill. Vacuum cleaners. 1st & 2nd Sts. & Av. E.

Meadows Manufacturing Co., Pontiac, Ill. Washing machine. 2nd St. & Av. C2.

Mirror Advertising Co., San Francisco, Cal. Mechanical advertising. 1st St. & Av. D.

Ohlen & Sons Saw Mfg. Co., J., Columbus, O. wood cutting saws. Av. G2, 3rd & 4th Sts.

Pacific Coast Rattan Co., Oakland, Cal. Rattan furniture. 1st St. & Av. D.

Ray Mfg. Co., W. S., San Francisco, Cal. Burners for heaters. 5th St. & Av. G2.

Shelton Electric Company, New York, N. Y. Electric vibrators. 1st St. & Av. D.

Slaughter Co., Inc., W. E., Chicago, Ill. Electric hair appliances. 1st St. & Av. D.

Standard Woven Fabric Co., Framingham, Mass. Hose, belting, etc. 3rd & 4th Sts. & Av. G2.

Westinghouse Electric & Mfg. Co., Pittsburgh, Pa. Electric fans, soldering materials, glue pots, blow torches, etc. Electric lamp fixtures. 2nd & 4th Sts., Aves. C & C2.

Willson & Co., Inc., T. A., Reading, Pa. Safety glasses and goggles. 4th St. & Av. G2.

York Saf-

York, Pa. Haves. 1st St.

TRANSPORTATION DEPARTMENT

Orenstein-Arthur Koppel Co., San Francisco, Cal. Portable tracks and switches. 4th & 5th Sts., Aves. C & C2.

Automatic Transportation So., San Francisco, Cal. Electric trucks. Av. C2 & 5th St.

Delaney, F. W., Alameda, Cal. Gasoline pumps. 1st St. & Av. H.

Down, S. G., San Francisco, Cal. Railway air compressors and accessories. 3rd St., Aves. C2 & D.

Edison Storage Battery Co., Orange, N. J. Batteries for railway use. 1st St. & Av. D.

Gold Car Heating & Lighting Co., New York, N. Y. Thermostats. Steam, vapor, combination pressure and vapor, hot water and electric systems, Thermostate control for same, Cyclone and window ventilators. 1st St. & Av. D. W. J. Marland, Rep., San Francisco, Cal.

Gordon Propeller Co., The, Cleveland, O. Propellers, reversible, weedless and feathering propellers, stuffing boxes and struts. 5th St. & Av. D.

Muggley Wheel Corporation, New York, N. Y. Differential wheels. 4th & 5th Sts. & Av. I.

Safety Car Heating & Lighting Co., New York, N. Y. Railway lighting. 1st St. & Av. D.

St. Louis Steel Foundry Co., St. Louis, Mo. Switches, frogs, crossings. 5th St. bet. Aves. H & I.

Smith, Richard Russell, Stockton, Cal. Automobile engine. 4th St. bet. Aves. F & H.

Sterling Wheelbarrow Co., West Allis, Wis. Wheelbarrows. Av. G, bet. 4th & 5th Sts.

Sturges & Co., V. K., Oakland, Cal. Automobile tires. 1st St. & Av. H.

Troy Wagon Works, Troy, Ohio. Dump wagons. 4th & 5th Sts., Aves. C & C2.

Union Switch & Signal Co., Swissvale, Pa. Railway signal. 1st St. & Av. D.

U. S. Light & Heating Co., Niagara Falls, N. Y. Electric automobile starter. 1st St. & Av. D.

Watson Wagon Co., Canastota, N. Y. Dump wagons. 4th St. & Av. D.

Westinghouse Air Brake Co., Pittsburgh, Pa. Air compressors of all types. 3rd St., Aves. C2 & D.

Westinghouse Electric & Mfg. Co., Pittsburgh, Pa. Wheel lathe motor and control. 3rd St. & Av. C.

Westinghouse Pacific Coast Brake Co., San Francisco, Cal. Railway air compressors. 3rd St., Aves. C2 & D.

Westinghouse Traction Brake Co., Pittsburgh, Pa. Air compressors of all types. 3rd St., Aves. C2 & D.

AGRICULTURE

Bessemer Gas Engine Co., Grove City, Pa. Gasoline and distillate engines. 4th St., Aves. D & E.

Clyde Iron Works, Duluth, Minn. Logging machinery. 5th St. & Av. H.

Hanchett Swage Works, Big Rapids, Mich. Automatic circular saw sharpener. 3rd & 4th Sts., Aves. A & B.

Hydraulic Press Mfg. Co., Mt. Gilead, O. Press for extracting juices. 1st St. & Av. I.

Invincible Grain Cleaner Co., Silver Creek, N. Y. Grain cleaning machine. 1st St. & Av. I.

Kelly Filter Press Co., Salt Lake City. Patent filter press. 3rd St. & Av. G2.

Lo-Glo Electric Incubator Co., New York, N. Y. Incubators. 1st St. & Av. D.

Pawling & Harnischfeger Co., Milwaukee, Wis. Ditching machines. 4th & 5th Sts. & Av. C2.

Smith & Watson Iron Works, Portland, Ore. Logging engine. 4th & 5th Sts., Av. C2.

Smith Cannery Machine Co., Seattle, Wash. Sanitary candy making machines. 3rd & 4th Sts., Aves. A & B.

Standard Electric Incubator Co., New York, N. Y. Electric incubators. 1st St. & Av. D.

Standard Gas Engine Co., San Francisco, Cal. Gasoline and distillate engines. 1st & 2nd Sts., Aves. E & F.

Sterling Iron Works, Stockton, Cal. Dairy pump. 1st St. & Av. H.

Sumner Iron Works, Everett, Wash. Saw mill machinery. 3rd & 4th Sts., Aves. A & B.

Universal Tractor Mfg. Co., Columbus, Ohio. Motor driven cultivator. 4th & 5th Sts., Aves. C & C2.

MINES AND METALLURGY

Ceresit Waterproofing Co., Chicago, Ill. Waterproofing compounds. 4th & 5th Sts. & Av. I.

Keystone Driller Company, Beaver Falls, Pa. Deep well drilling machinery. 4th St., Aves. F & G.

Lucey Co., J. F., Pittsburgh, Pa. Oil well supplies. 5th St. & Av. F.

National Hoisting Engine Co., Harrison, N. J. Steam or air driven pile hammer. 4th & 5th Sts., Aves. C & C2.

Star Drilling Machine Co., Akron, O. Oil and water well drilling machines. 2nd St., Aves. F & G.

UNITED STATES GOVERNMENT

Exhibits Classified in Machinery Department.

Bureau of Standards. Electric Laboratory Apparatus. N. W. cor. Mch. Pal.

Ordnance Department, U. S. Army. Cartridge Making Machines. N. W. cor. Mch. Pal.

Bergen Point Iron Works, Bayonne, N. J. Modern Coaling Station. U. S. Govt. Sec., Lb. A. Pal.

Bucyrus Company, So. Milwaukee, Wis. Dipper Dredge and Steam Shovel Model. U. S. Govt. Sec., Lb. A. Pal.

Lamson Co., The, Boston, Mass. Conveyors for Mail Matter. U. S. Govt. Sec., Lb. A. Pal.

Lidgerwood Mfg. Co., The, Balboa Heights, C. Z. Overhead Cableway Model. U. S. Govt. Sec., Lb. A. Pal.

Maryland Steel Co., Sparrow's Point, Md. Model of Dump Scow. U. S. Govt. Sec., Lb. A. Pal.

Panama Canal Collective Exhibit. Models, etc. U. S. Govt. Sec., Lb. A. Pal.

Simmons & Company, Renfrew, Scotland. Model Panama Canal Dredge. U. S. Govt. Sec., Lb. A. Pal.

Exhibits in Machinery Palace Classified in Other Departments.

Department of the Treasury:
Coast Guard Service. Life Saving Service.

Department of War.

Department of the Navy.

Department of Agriculture:
Office of the Public Roads.

Department of Commerce:
Bureau of Lighthouses.

Motion Picture Exhibit.

FOREIGN EXHIBITS

AUSTRALIA

Australian Pavilion, Presidio Entrance,
opposite French Pavilion

GROUP 85

STEAM GENERATORS AND MOTORS UTILIZING STEAM. ACCESSORY APPLIANCES

Commissioner for Railways, Brisbane, Queens-
land, Australia. Brass work, valves and
cocks (steam).

ENGLAND

GROUP 90

TOOLS FOR SHAPING WOOD AND METALS

Andrew & Co., Ltd., Jno. Hy., Sheffield, Eng-
land. Drill steel, tool steel. 4th St. bet.
Ave. G & G2.

Herbert Co., Ltd., Edw., Manchester, Eng-
land. Tool steel and file testing machines.
3rd St. & Av. E.

Seeborn & Dieckstahl, Ltd., Sheffield, Eng-
land. Tool steels. 3rd St., 4th St. & Av.
G2.

FRANCE

Manufacturers Palace, 1st, 2nd & 3rd Sts.,
Ave. B & C

GROUP 85

STEAM GENERATORS AND MOTORS UTILIZING STEAM. ACCESSORY APPLIANCES

Boulte, Larbodiere et Cie, Aubervilliers,
Seine. Generators, high speed steam en-
gines.

Chatel et Solms, Paris, France. High or low
pressure regulator for steam engines.

Miclausse, J. et A., Paris, France. Model of
self-feeding boiler.

Salvanhac, Albert & Georges, Paris, France.
Pictures of machinery.

Ste annon des Etabl. Delaunay-Belleville,
Saint Denis, Seine. Boiler, electric and
steam engines.

Sosnowski, K., Paris, France. Picture.

GROUP 86

INTERNAL COMBUSTION MOTORS

Godard-Desmarest et Dagand, Paris, France.
Valveless gas motor.

GROUP 87

GENERAL MACHINERY AND ACCES- SORIES

Gotting et Jonas, Saint Denis, Seine. Belting
and valves of leather.

Hamm, Etab. of L. Paris, France. Electric
pumps.

Keller Lebeux, Livet, France. Model of elec-
tric crane used as magnet.

GROUP 90

TOOLS FOR SHAPING WOOD AND METALS

Ernault, Henri, Paris, France. Photographs
of turning machinery.

GERMANY

3rd St. and Av. C2

GROUP 85

STEAM GENERATORS AND MOTORS UTILIZING STEAM. ACCESSORY APPLIANCES

Horn, Dr. Th. Leipsig (Industrial Instrument
Co.), Germany. Tachometers and tacho-
graphs.

GROUP 98

MEASURING, INDICATING AND RECORD- ING APPARATUS

Horn, Dr. Th., Leipsig, Germany. Frequency
meters.

NETHERLANDS

Netherlands Pavilion, Esplanade, near Fine
Arts Palace

GROUP 86

INTERNAL COMBUSTION MOTORS

Werkspoor Works, Amsterdam, The, Nether-
lands. Photographs of "Werkspoor" Die-
sel Engines.

GROUP 89

GENERAL MACHINERY AND ACCES- SORIES

Adam's Belting Factory, Delft, The Nether-
lands. Samples of "Adam's superior water-
proof belting" and "Adam's cable belts."

GROUP 97

LUMINOUS APPARATUS (SOURCES OF LIGHT)

Pope's Metal Filament Co., Ltd., Venlo, The
Netherlands. "Pope's" Glowlamps of all
kinds, spiral reflectory lamps and nitrogen
outdoor lamps.

GROUP 99

APPARATUS FOR PROTECTION OF ELEC- TRIC APPARATUS AND FOR CONTROL AND DISTRIBUTION OF ELECTRIC ENERGY, OTHER THAN RAILWAY MATERIAL

Factory "Heemaf," Hengelo, The Netherlands.
Devices for opening and closing electric
circuits.

SWEDEN

Swedish Pavilion, Avenue of Nations, opposite
Canadian Pavilion

GROUP 85

**STEAM GENERATORS AND MOTORS
UTILIZING STEAM. ACCESSORY
APPLIANCES**

De Laval Steam Turbine Co., Ltd., The,
Stockholm. Steam turbines.

Engineering Firm, Frits Egnell, Stockholm,
Co2 Recorder "Mono" for economizing
with fuel in boiler plants.

Ludwigsberg Mechanical Works Co., Ltd.,
The, Stockholm. Steam turbo electric gen-
erator set, direct connected.

Swedish Ljungstrom Turbine Co., Ltd., The,
Finspong. Steam turbines.

GROUP 86**INTERNAL COMBUSTION MOTORS**

Hjorth & Co., Ltd., B. A., Stockholm. Model
of crude oil engine.

Nya Aktiebolaget Atlas, Stockholm. Crude
oil engine.

GROUP 89

**GENERAL MACHINERY AND ACCE-
SSORIES**

Ludwigsberg Mechanical Works Co., Ltd.,
The, Stockholm. Two stage air compressor.

S. K. F. Ball Bearing Co., Ltd., The, Gothen-
burg. Assortment of double row, self-
aligning S. K. F. ball bearings.

GROUP 90

**TOOLS FOR SHAPING WOOD AND
METALS**

Lindstrom, F. E., Eskilstuna. Assorted tongs
and pliers.

Oberg & Company's A-B, c. O. Eskilstuna.
Assorted files and rasps.

GROUP 91**COMMUTING APPARATUS**

De Laval Steam Turbine Co., Ltd., The,
Stockholm. 2KW electric generator direct
connected to steam turbine.

Luth & Rosen Electric Co., Ltd., Stockholm.
2KW electric generator direct connected to
steam turbine.

Swedish General Electric Co., Ltd., The, Vas-
terås. Two three H. P. direct current
electric motors, showing improvements and
advances made in size, weight and con-
struction of same from 1883 to present day.

Official Catalogue of Exhibitors

Panama-Pacific International Exposition
San Francisco, California, 1915

CHARLES C. MOORE
President

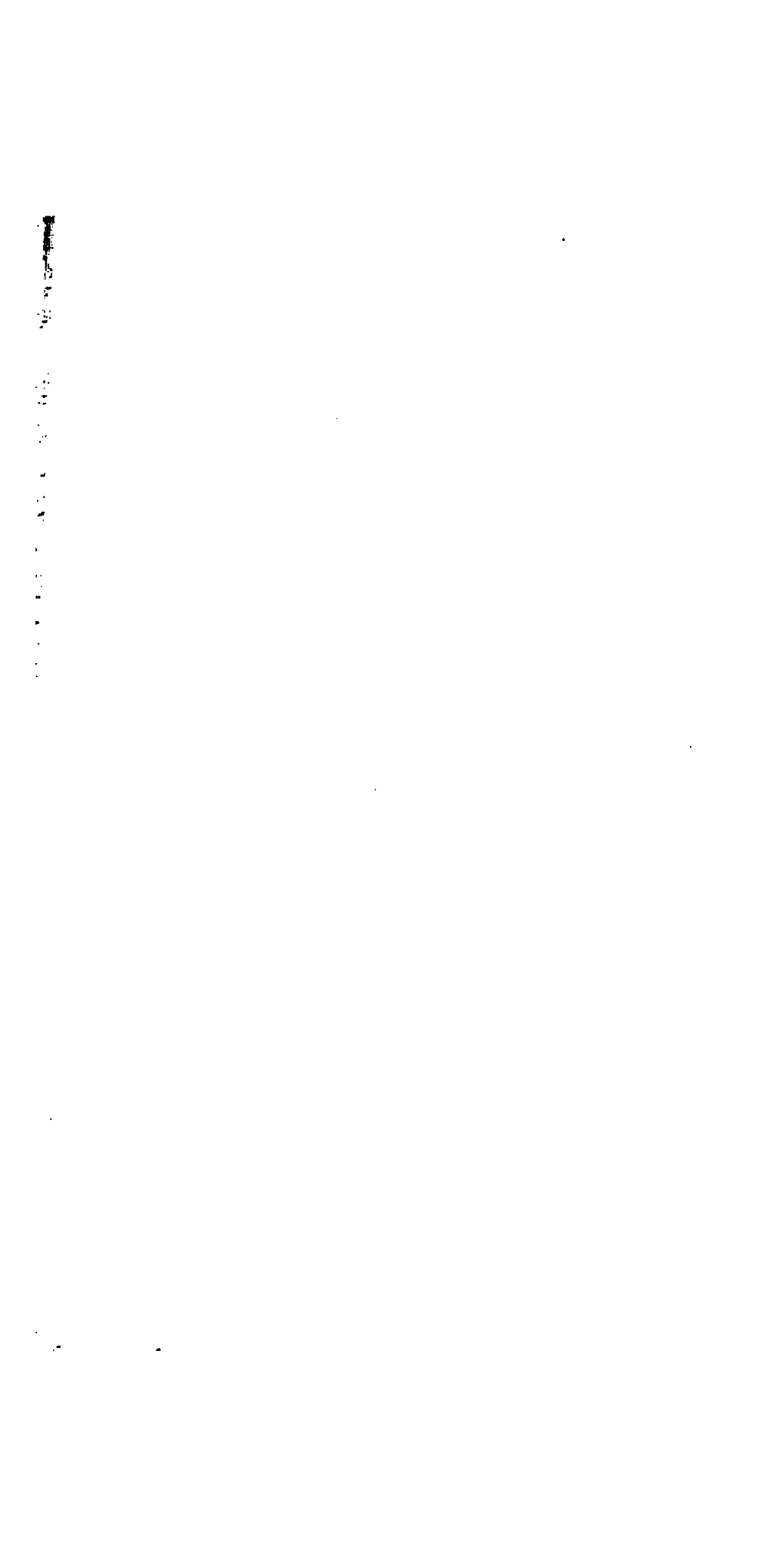
Director-in-Chief
FREDERICK J. V. SKIFF

Division of Exhibits
ASHER CARTER BAKER, Director

Department G

TRANSPORTATION
BLYTHE H. HENDERSON, Chief

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PREFACE

By Asher Carter Baker, Director of Exhibits.

A modern, universal exposition is an encyclopedia of man's words and works. It is a collection of the achievements and productivity of man for examination by the International Jury of Awards, and constitutes a compact, classified, indexed compendium of man's activity in all phases, extending from the most material to the most refined products. It is estimated that a million objects are exposed in the various displays installed within the palaces, and in the foreign, state and special pavilions. To properly classify, group and arrange all the exhibits of an exposition of such international scope, is a task of such magnitude that it was impossible to provide a complete catalogue of these exhibits on the opening day of the Exposition.

This revised and complete edition of the official catalogue is therefore presented. In realization of its extraordinary value as a document of general and commercial reference, special care has been given to its preparation, so that it constitutes a full list of the infinite variety of interesting exhibits which are the concrete evidences of the industrial, educational and artistic advancement of the world.

Acknowledgment is hereby offered of the excellent co-operation received in the compilation of this catalogue from the Commissioners-General of participating nations, officers of State Commissions, individual exhibitors, and more particularly the various officers of the Division of Exhibits, as also from the Official Catalogue Company, the publishers of this catalogue.

PALACE OF TRANSPORTATION



TRANSPORTATION

Official Catalogue Department G

CLASSIFICATION OF EXHIBITS

**Carriages, Wheelwright's Work, Automobiles
and Cycles.**

Saddlery, Harness.

Railways.

Material Equipment used in the Mercantile Marine.

**Material Equipment of Naval Service; Naval and
Military Ordnance; Aerial Navigation.**

Dirigibles.

Spherical Balloons.

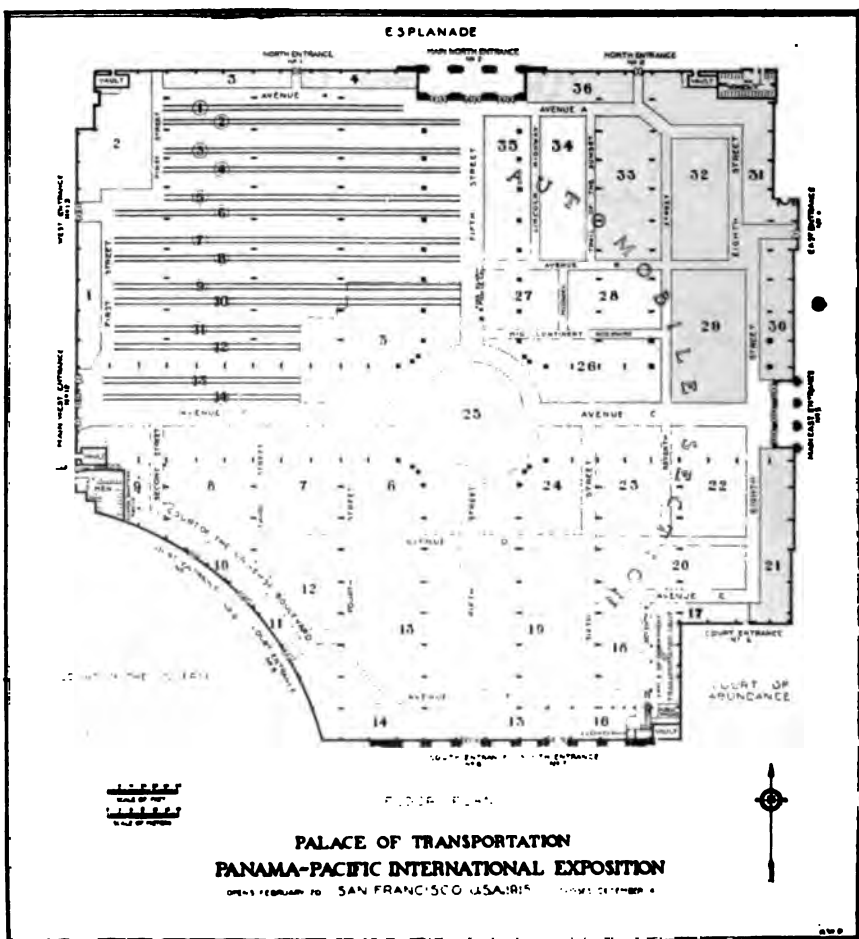
Military Ballooning.

Aeroplanes.

Gases.

Motors.

Literature.



INTRODUCTION

Department of Transportation

By

BLYTHE H. HENDERSON,

Chief.

With the first step of man, transportation had its birth. Through countless ages the conquest of the world has continued and will continue as long as human activity is extant. Transportation has made possible every human endeavor and conquest, for without this vital energy, development would cease. Man's desire to see and penetrate the unknown is the key to success. Transportation is symbolical of this key which opens the treasure chest of knowledge.

Chicago, Paris and St. Louis have told the story of past progress and to a certain extent have foretold some of the developments to come. The Panama-Pacific International Exposition deals with the advance and improvements accomplished during the decade 1905-1915.

Transportation on land, on water and under water and through the air have today reached a point which might appear to be the acme of perfection. Notwithstanding the great achievements to date, the master minds of today are solving yet more difficult problems and these solutions when reached will make not only probable, but possible, greater advances in the future. The transportationist of today can well say "the world is mine"; but the transportationist of tomorrow will say "the universe is mine."

In the Palace of Transportation there are shown motive power for land transportation, both steam and electric. Rolling stock that is used for passenger and freight traffic; construction material and methods used under the best practice; expeditious handling of mail and express; safety devices; routes of travel; pictures, views and spectacular presentations of world renowned points of interest.

Marine travel is fully illustrated through models of ships; photographs, full size sections of modern merchant vessels; charts and other methods. In Machinery Palace, yet having a place in this department, are the latest types of marine engines and motor boat appliances. Oversea travel, both domestic and foreign, are shown.

The automobile, which is the flexible unit of transportation and which is a great factor in the development of the country, is seen in all the varied types and body styles known to the motoring world. The exhibits of limousines, Berlin and Sedan types of closed cars and the numerous open car designs are given an artistic setting within a rose garden and amid beautiful pictured scenes of rustic, wooded, lake, river and mountain beauty spots in graceful profusion. The motor truck interests are placed in a handsomely appointed structure, built especially for their needs.

The exhibits typify every phase of development in modes of modern transportation and faithfully record the marvelous advances thus made in recent

HOW TO LOCATE AN EXHIBIT

The Palace of Transportation is laid out in blocks, which are consecutively numbered from 1 to 30, inclusive, as shown on the floor plan. The aisles are designated as streets (First to Eighth) running north to south, and as avenues (A to F) from east to west. In addition are the Court of Universe Boulevard in the southwest portion of the building, and the Lincoln Highway, Trail of the Sunset and the Midway, streets running north to south in the Automobile Section, and the Mid Continent Highway, from east to west in the same section. To locate an exhibitor refer to the names, alphabetically arranged under the exhibit group to which each belongs in the official classification, and note the aisle locations following each name. Street and Avenue signs are erected at their intersections on the corners of all blocks.

All Exhibits entered in this catalogue are located in the Palace of Transportation **unless otherwise indicated** after the entry. The following are abbreviations used in this catalogue to designate other Exhibit Palaces:

Fine Arts Palace.....	Fn. A. Pal.
Education Palace.....	Ed. Pal.
Liberal Arts Palace.....	Lb. A. Pal.
Manufactures Palace.....	Mfr. Pal.
Varied Industries Palace.....	V. I. Pal.
Machinery Palace.....	Mch. Pal.
Transportation Palace.....	Trns. Pal.
Agriculture Palace.....	Agr. Pal.
Food Products Palace.....	Fd. Pr. Pal.
Live Stock Palace.....	Lv. St. Pal.
Horticulture Palace.....	Hor. Pal.
Mines and Metallurgy Palace.....	Min. Pal.

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DEPARTMENT OF TRANSPORTATION

Official Classification of Exhibits

DEPARTMENT G GROUP 101

CARRIAGES AND WHEELWRIGHTS' WORK, AUTOMOBILES AND CYCLES

- Class 513. Pleasure carriages and sleighs, sedan chairs.
- Class 514. Public carriages; ambulances; hearses; carriages for invalids and infants.
- Class 515. Carts and wagons for all purposes; trucks and drays, farm wagons and carts.
- Class 516. Vehicles driven by mechanical motors; motorcycles; automobiles.
- Class 517. Bicycles. Velocipedes.
- Class 518. Detached parts, material and inventions pertaining to carriage building, wheelwrights' work, automobiles or cycles.

GROUP 102

SADDLERY AND HARNESS

- Class 519. Equipment for horses and other animals, attached to carriages, mounted, or in the stable. Harness for pleasure carriages, saddles, bridles; harness for public service or for draught. Parts of harness, materials and inventions pertaining to saddlery and harness making. Military equipment.

GROUP 103

RAILWAYS

- Class 520. Way and structures of railways. Means and methods of construction; grading; ballast, ties, rails and other track materials; grades and change of alignment; bank protection; removal of and protection from snow, ice and sand; tunnels; bridges; trestles; culverts; crossings; fences, cattle guards and signs; signals and interlocking plants; telegraph and telephone plants as applied to railways; buildings, fixtures and grounds; docks and wharves; roadway tools and supplies; steam shovels, wrecking derricks and other work equipment. (See also Class 466.)
- Class 521. Railway equipment. Steam and electric locomotives; passenger-train cars; freight-train cars; electric equipment of cars; building and repair shop equipment. Locomotive cranes.
- Class 522. Railway traffic. Handling of passengers, ticket offices, tickets, baggage handling; industrial, immigration and colonization bureaus. Handling of freight, tariffs, way-bills, means of weighing; fast freight traffic methods. Literature, lectures, photographic work, advertising, and other methods of promoting traffic.
- Class 523. Railway transportation. Time tables; methods of despatching trains; operation of depots, stations and freight houses; weighing and car-service associations; operation of stock yards, grain elevators, coal and ore docks; operation of yards and engine houses, fuel and water supply; lubricants; operation of trains, including trainmen's signals; cleaning, heating, lighting, ventilating, icing and watering, refrigeration and pre-cooling of cars; drawbridge operation; operation of floating equipment; express and special service; loss of and damage to freight, baggage, property, or stock on right of way; methods for preventing injuries to persons and insuring safety. Apparatus and methods of testing the power and efficiency of locomotives and other railway equipment.
- Class 524. Street railways. Urban and interurban railways for freight or passenger traffic; elevated and subway railways; rack, cable, mono-rail and aerial railways; equipment for these, including track and equipment, motive power, rolling stock, and equipment and methods employed in their operation.
- Class 525. Special methods of transportation, similar to railways. Transportation of ships over railways. Trackless trolley lines. Moving platforms. Scenic and gravity railways for amusement parks.
- Class 526. General. Bibliography, statistics, history, special maps and drawings, and various publications relative to railways. Joint track, detour, and other agreements. Organization, law, insurance, hospitals, club houses, libraries, railroad Y. M. C. A., relief department, pensions, with reference to railways.

GROUP 104

MATERIAL AND EQUIPMENT USED IN THE MERCANTILE MARINE

- Class 527. Raw material and material specially used in the construction and fitting out of ships and boats.
- Class 528. Special tools and implements used in ship-building yards.
- Class 529. Drawings and models of all kinds of vessels or boats for navigating seas and rivers. Illustrations showing the arrangement of such vessels or boats. Drawings and models of tugs and tow boats. Launches and small craft propelled by machinery, by wind, or by oars.
- Class 530. Motive power for vessels and boats (drawings, model and specimens.) Boilers, water heaters, filters for feed water; engines, condensers, propellers, machinery auxiliary to main engines, pumps, governors, indicators of speed and direction, engine counters, and other machinery specifically for the propulsion of vessels. Management for the prevention of fires in holds, storerooms and passages. (See 462.)

DEPARTMENT OF TRANSPORTATION

- Class 531. Marine equipment: winches, tackle blocks, chains, anchors, hawsers, cables, etc. Steering apparatus, order transmitters, machinery for working sails, ship's lights and signals, fresh water evaporators and condensers, apparatus for lighting, heating, supplying air and ventilation. Special apparatus for the generation and use of electricity, refrigerating apparatus, special instruments for determining position and time, flags, furniture, etc. Equipment for loading and unloading merchandise. (See also Class 407.)
- Class 532. Light houses and equipment; buoys, beacons, ranges and other aids to navigation. Application of electric lighting to navigation.
- Class 533. Pleasure craft; yachts, steam, sail or power boats, row boats, out-riggers, skiffs, etc., and their accessories (drawings, models and specimens).
- Class 534. Submarine navigation.
- Class 535. Equipment for saving of lives and vessels at sea, boats, line carriers, lines, traversers, safety belts and jackets, etc. Humane societies. Spreading of oil upon the sea. Equipment for raising wreckage, and for submarine operations for saving sunken material.
- Class 536. Swimming: apparatus and equipment for swimmers or swimming instruction.
- Class 537. Statistics, special charts and publications relative to navigation for commerce or for pleasure.

GROUP 105

- Class 538. Models, or copies thereof, of early English, Spanish and French vessels; pictures, documents and original items illustrating their voyages.

GROUP 106

MATERIAL AND EQUIPMENT OF NAVAL SERVICES; NAVAL AND MILITARY ORDNANCE

- Class 539. Models, designs, drawings, descriptions, specifications, photographs, paintings, of warships and public vessels of special character.
- Class 540. Material used in the construction and fitting out of ships-of-war and public craft; deck and engine-room outfits; signal gear; naval furniture; electrical equipment installed with reference to battle conditions; safety appliances.
- Class 541. Motive power for government vessels.
- Class 542. Marine and military arms and armaments, ordnance, and their equipments; telescopic sights, range finders, ship plotters, etc.; torpedoes, fixed dirigible, and automobile; naval signals.

GROUP 107

DIRIGIBLES

- Class 543. Construction: fabrics, cars, dirigibles, war cruisers and touring cruisers, anchors, grapnels, valves, netting, screw-propellers, etc.

GROUP 108

SPHERICAL BALLOONS

- Class 544. Construction: fabrics (cotton or silk, rubberized); cars; netting cordage, balloons for the study of the atmosphere and for making scientific observations of air currents, clouds, temperature at great heights, optical phenomena, etc.
- Class 545. Statoscopes, thermometers, anemometers, tachometers, recording barometers.

GROUP 109

MILITARY BALLOONING

- Class 546. Military balloons, captive and free, and their accessories; winding drums; transport wagons; apparatus for inflation; scientific instruments, etc.

GROUP 110

AEROPLANES

- Class 547. Monoplanes; biplanes; triplanes; military aeroplanes; frames; parachutes. Screw propellers, aeroplane carriages, speedometers, steering wheels, reservoirs, cables, compasses, buffers, stabilizers, rigging screws, clothing for aviators; toys, kites, etc.
- Class 548. Hydro-aeroplanes.

GROUP 111

GASES

- Class 549. Generation and preservation of hydrogen and other light gases for balloon use.

GROUP 112

MOTORS

- Class 550. Motors for dirigibles and aeroplanes; carbureters; magnetos, etc.

GROUP 113

LITERATURE

- Class 551. Drawings, maps of journeys; diagrams; photographs, etc.

DEPARTMENT G---TRANSPORTATION

UNITED STATES

Carriages, Automobiles, Cycles, Railways, Mercantile Marine, Naval and Military Ordnance, Balloons and Aeroplanes and Motors.

GROUP 101

CARRIAGES AND WHEELWRIGHTS' WORK, AUTOMOBILES AND CYCLES

- Am. Sheet and Tin Plate Co.,** Pittsburgh. Auto, body sheets.
- American Taximeter Co.,** New York, N. Y. Accessories. Av. F, bet. 5th & 6th Sts.
- Apple Electric Co.,** Newark, N. J. Accessories. Av. E, bet. 7th & 8th Sts.
- Archibald Wheel Co.,** Lawrence, Mass. Materials. 2nd St., Av. A and 3rd St. V. I. Pal.
- Arlington Company, The,** Arlington, N. J. Accessories. V. I. Pal. Av. B, cor. 3rd St. Harness mounting; martingale rings; transparent Pyralin sheeting for automobile trade.
- Armstrong Cork Co.,** Pittsburg, Pa. Accessories. Mfr. Pal. 6th St., cor. Av. B.
- Atkins & Co.,** E. C., Indianapolis, Ind. Accessories. Mfr. Pal. 5th St. Bet. Avs. C and D.
- Bacon Co.,** Edw. E., San Francisco, Cal. Dump wagons. Av. C, bet. 4th & 5th Sts. Mch. Pal.
- Beardsley Electric Co.,** Los Angeles. Automobile. Av. B & 8th St.
- Benjamin Electric Co.,** Chicago, Ill. Accessories. V. I. Pal. East Av. A.
- Bessemer Motor Truck Co.,** Grove City, Pa. Trucks. 7th St. cor. Av. B.
- Bowman, G. L.,** Oakland, Cal. Accessories. Av. D. Bet. 5th and 6th Sts.
- Bowser & Co.,** San Francisco, Cal., and Fort Wayne, Ind. Oil equipment. South 8th St.
- Braunsdorf-Mueller Co.,** Elizabeth, N. J. Accessories. Mfr. Pal. Av. A, cor. 2nd St.
- Briscoe Motor Co., Inc.,** Jackson, Mich. Automobiles. 7th St., bet. Avs. A & B.
- Bristol Company, The,** Waterbury, Conn. Mch. Pal. 2nd St., Cor. Av. D. Automobile time and speed recorders, accessories, etc.
- Broderick & Bascom Rope Co.,** St. Louis, Mo. Accessories. Mfr. Pal. 6th St., cor. Av. C.
- Brown-Lipe-Chapin Co.,** Syracuse, N. Y. Accessories. 7th St., cor. Av. F.
- Brown-Lipe Gear Co.,** Syracuse, N. Y. Accessories. 7th St., cor. Av. F.
- Buick Motor Co.,** Flint, Mich. Automobiles. Trail of Sunset.
- Chalmers Motor Car Co.,** Detroit, Mich. Auto. Trail of Sunset.
- Cambria Steel Co.,** Philadelphia, Pa. Accessories. 3rd St. and Court of Honor Boulevard. Automobile Rim Sections, Bar Steel, Tire and Sleigh Shoes, Octagons, Hexagons, Tees and plain Angles, Special Sections—Pyramid of I-Beams 3 to 24 inches depth. Hollow Heat-Treated Driving Axle. Car Axles. Special Axles Twisted Cold. Crank Pins. Piston Rod.
- Chalmers Motor Company,** Detroit, Mich. Automobiles. Lincoln Highway. "Sixes" exclusively. All the essential parts of Chalmers cars are built completely in the great Chalmers plant by over 4,000 men trained in the Chalmers principle of "Quality First." Chalmers quality is a thing made definite by Chalmers methods of manufacture and the Chalmers rigid inspection of the materials used. And because Chalmers "Sixes" are built right, are right weight, properly balanced, and of the finest materials, they give longer and more continuous service at lowest cost. They are the most economical cars to run because they "stay put." Chalmers "Sixes" have superior smoothness, flexibility, silence and an unusual amount of reserve power. San Francisco Office, 1400 Van Ness Av.
- Champion Spark Plug Co.,** Toledo, O. Accessories. Lincoln Highway.
- Champion Wagon Co.,** Oswego, N. Y. Delivery Bodies. Av. E., Cor. 8th St.
- Cheeseborough, E. W.,** Ager, Siskiyou Co. Auto wheels. Mch. Pal. (Exhibit made in Siskiyou County.)
- Coast Agencies,** San Francisco, Cal. Accessories. Av. E., Cor. 8th St.
- Commerce Motor Truck Co.,** Detroit, Mich. Trucks. 7th St., Cor. Av. B.
- Cowan Truck Company,** Holyoke, Mass. Trucks. Mch. Pal. Cor. 3rd St. & Av. H. Stock handling system for factory, warehouse, railway and wholesalers.
- Cowles & Co.,** C., New Haven, Conn. Accessories. Av. B, bet. 1st and 2nd Sts. V. I. Pal.
- Davis-Fry Mfg. Co.,** Oakland, Cal. Tires. East Av. E.
- Davis Sewing Machine Co.,** Dayton, O. Motorcycles. Trans. Pal. Av. F. cor. 6th St. Bicycles; Dayton, motorcycles; fire apparatus. Dayton. 785-787 Mission St., San Francisco.
- Delaney, F. W.,** Alameda, Cal. Garage Pumps. Mch. Pal. 1st St., cor. Av. H.
- Dodge Bros.,** Detroit. Automobile. cor. 8th St.
- Dusenberry & Co.,** Louis, I Accessories. Av. F, bet. I
- Edison Storage Battery Co.,** N. J. Accessories. North

- Brill Co., J. G., Philadelphia, Pa.** Trans. Pal. General Electric Co. Av. C, cor. 2nd St. Electric Railway Trucks.
- Bristol Company, The, Waterbury, Conn.** Mch. Pal. 2nd St., cor. Av. D. Automobile and railway speed recorders.
- California Dispatch Line, San Francisco, Cal.** Wine tank car. Track 4. 20,000,000 gallons of California wines were transported in these cars during the year 1914.
- Cambria Steel Co., Philadelphia, Pa.** Railway Supplies. 3rd St. and Court of Honor Boulevard. Light Steel Track and Ties for Mine and Industrial Railways. Sections of rolled Steel Shapes, Ship Channels, Bulb Angles. Railway Track Accessories, 100 per cent Rail Joints; Reinforced Angle Bar Rail Joint; Morrison Guard Rail and Tie Plates. Pyramid of Rails 12 to 125 pounds per yard.
- Canadian Pacific Railway Co., Winnipeg, Man.** Traffic promotion. Pavilion B.
- Carnegie Steel Co., Pittsburgh.** Wheels, axles and railway materials.
- Chambers Valve Co., New York.** Equipment. In service.
- Chicago Brake Shoe Co., Chicago, Ill.** Railway Equipment. Court of Universe Bldg.
- Chicago Car Heating Co., Chicago.** Equipment. In service.
- Chicago Ry. Equipment Co., Chicago.** Brake beams. In service.
- City of New York, City of New York Bldg.** Railroad exhibit.
- Clyde Iron Works, Duluth, Minn.** Hoisting machinery, excavating machinery. 5th St., cor. Av. H. Represented by Parrott & Co., San Francisco, Cal. Mch. Pal.
- Commonwealth Steel Co., St. Louis.** Equipment. In service.
- Cook Railway Signal Co., Denver, Colo.** Railway equipment. Av. F, bet. 6th and 7th Sts.
- Copper River & Northwestern Railway, Seattle, Wash.** Traffic promotion. 3rd St., bet. Avs. D & E.
- Cowan Truck Co., Holyoke, Mass.** Railway equipment. Mch. Pal., 3d St., cor. Av. H.
- Detroit Lubricator Co., Detroit.** Equipment. In service.
- Dibble Air Brake Co., Oakland, Cal.** Railway equipment. West Av. A.
- Down, S. G., San Francisco, Cal.** Railway equipment. 3rd St., bet. Avs. C2 & D. Mch. Pal.
- Duluth & Iron Range R. R. Co.** Photos and ac. prev. ex.
- Duluth, Missabe & Northern Ry. Co.** Photos and ac. prev. ex.
- Edison Storage Battery Co., Orange, N. J.** Ry. Equipment. Mch. Pal. 1st St., cor. Av. D.
- Egry Register Co., Dayton, O.** Dispatching System. L. A. 2d St., bet. Avs. A and B.
- Elgin, Joliet & Eastern Ry. Co.** Photos and ac. prev. ex.
- Fairbanks-Morse Co., San Francisco.** Scales. Working Exhibit in all Palaces and in Live Stock Dept. Also 20-ton Scale in Service at Warehouse No. 4, 15-ton Scale at Stock Corral, 10-ton Scale at Horse Barn No. 4, 4-ton Scale at Silos 1, 2, 3 and 4. Office and Salesroom, 651 Mission St.
- Flannery Bolt Company, Pittsburg, Pa.** Railway equipment. Court of Universe Bldg. Samples of all Tate Flexible Stay-Bolts for locomotive fireboxes; photographic views of installations of Tate Flexible Stay-Bolts applied to locomotive fireboxes. Adjustable Tate Flexible Crown Stays. Tate Flexible "Radial" Stay-Bolts; Tate Flexible Stay-Bolts; Standard Water Space Stays. Tools for applying Tate Flexible Stay-Bolts. Stay-Bolts, flexible for locomotive firebox boilers.
- Franklin Railway Supply Co., New York.** Equipment. In service.
- Galena-Signal Oil Co., Franklin, Pa.** Signal oils. Cor. Av. F & 5th St.
- Gasoline Safety Systems Co., The, San Francisco.** Safety device. East Av. A.
- Gen'l Brake Shoe & Supply Co., Chicago.** Railway equipment. Court of Universe Bldg.
- General Electric Co., Schenectady, N. Y.** Motive power and equipment. Headlight Equipments, Electric Locomotives, Railway Motors and Control, Mazda Lamps, Air-brake Equipment, Signal Accessories, Arc Welding Outfits, Portable Air Compressors, Line Material, Electrical Equipment for Urban and Interurban Railroads. Trans. Pal., Av. C, cor. 2nd St.
- German American Car Co., Chicago, Ill.** Tank cars. Tracks 3 & 4.
- Gold Car Heating & Lighting Co., New York, N. Y.** Car equipment. Mch. Pal., 1st St. & Av. D. Steam, vapor, combination pressure and vapor, hot water and electric systems; thermostat control for same; cyclone and window ventilators. W. J. Marland, representative, Palace of Machinery.
- Grand Trunk Railway System, Montreal, Que.** Traffic Promotion. Pavilion A.
- Great Northern Railway Co., St. Paul, Minn.** Traffic promotion. Pavilion O.
- Griffin Wheel Co., Tacoma, Wash.** Railway equipment. Av. D, cor. 3rd St.
- Hewitt Co., The, New York, N. Y.,** Railway equipment. Av. A, cor. 1st St.
- Hickey, W. J., Reno, Nev.** Railway equipment. West Av. A.
- Hobart-Alfsee Co., Chicago.** Wrecking frogs. In service.
- Hupp Automatic Mail Exchange System, Washington, D. C.** Automatic mail car, Track 13. An automatic mechanism exhibited here in action which attached to any mail car, automatically exchanges mail in quantity between running train and station. Albert Hupp, Inventor and Exhibitor, Woodward Bldg., Washington, D. C.
- Illinois Steel Co., Chicago.** Railway materials, axles, etc.
- Independent Pneumatic Tool Co., Chicago.** Equipment. In service.
- Int'l Acheson Graphite Co., Niagara Falls, N. Y.** Signal Apparatus. L. A. Av. C, 4th and 5th Sts.
- International Harvester Company of America, Chicago, U. S. A.** Agr. Pal. 4th St., bet. Avs. B & C. Equipment for construction and maintenance of railways.
- Ives Co., The, H. B., New Haven, Conn.** Ry. Equipment. V. I. Pal. Av. B, cor. 2nd St.
- Johns-Manville Co., H. W., New York.** Equipment. In service.
- Locomotive Stocker Co., New York.** Equipment. In service.

- Locomotive Superheater Co., New York, N. Y.** Railway equipment. 3rd St. & Av. H. Mch. Pal.
- Lorain Steel Co., Johnstown, Pa.** Track special work.
- MacLeod Co., The, Cincinnati, O.** Railway equipment. Av. I, cor. 1st. Mch. Pal.
- Malleable Iron Fittings Co., Branford, Conn.** Car Equipment. Av. B, bet. 1st and 2nd Sts. V. I. Pal.
- Manganese Steel Rail Co., New York.** Track work. W. Av. A.
- Marland, W. J., Oakland, Cal.** Car equipment. 1st St., cor. Av. D. Mch. Pal.
- Maryland Steel Co., Sparrow's Point, Md.** Railroad Supplies. S. 1st St. Steel Rails and Fastenings. See Exhibit in Mines Palace.
- Mason Regulator Co., Boston, Mass.** Car equipment. Automatic pressure regulators. V. I. Pal. East Av. A. Foreign offices: Australia, 74 Clarence St., Sydney; Belgium, 33 Rue des Peignes, Antwerp; Denmark, 10 Vestervoldgade, Copenhagen; England, 147 Queen Victoria St., London; Canada, 380 St. James St., Montreal.
- McCloud & Co., Chicago.** Equipment. In service.
- McCloud River Railroad Co., San Francisco, Cal.** Motive power and equipment. Track 2.
- Minor & Co., W. H., Chicago.** Draft Gear. In service.
- Nathan Mfg. Co., New York.** Equipment. In service.
- National Automatic Train Stop Co., Spokane, Wash.** Railway equipment. 7th St., cor. Av. F.
- National Brake & Electric Co., Milwaukee, Wis.** Railway equipment. Mch. Pal. 3rd St. & Aves. C2 & D. Air compressors; installed in Machinery Hall, Block 33.
- National Malleable Casting Co., Cleveland, O.** Railway equipment. Track 4. Couplers—Sharon, Tower, Climax, Latrobe for freight, passenger and engine service. Cast steel coupler yokes. Engine coupler pockets with supporting shelf to prevent drooping. Uncoupling apparatus. Journal boxes. Brake beam fulcrums, adjustable. Hand brake mechanism, rail anchors; rail braces; car door fasteners; malleable iron washers and castings. John H. Jaschka, Sales Agt., 705 Monadnock Bldg. San Francisco, Cal.
- National Signal Co., San Francisco, Cal.** Railway equipment. West Av. A.
- National Tube Co., Pittsburgh.** Tubular poles and trolley poles.
- Newburgh & South Shore R. R. Co.** Photographic ex.
- New York Air Brake Co., New York, N. Y.** Railway equipment. Av. C, cor. 6th St. Electro pneumatic brakes; air and vacuum brakes; equipment for urban and inter-urban railways.
- Nuttall Company, R. D., Pittsburgh, Pa.** Trolleys in exhibit Westinghouse Electric & Mfg. Co., under Dome.
- Ohio Locomotive Crane Co., Bucyrus, O.** Railway equipment. Mch. Pal. 4th & 5th Sts., bet. Aves. C & C2. See our locomotive crane in service on Exposition Grounds.
- Orenstein-Arthur Koppel Co., San Francisco.** Ry. equipment. Mch. Pal. Av. C, bet. 6th & 5th Sts.
- Parkersburg Iron Co., Parkersburg, Pa.** "mont. In service.
- Penna. Steel Casting & Mch. Co., Chester, Pa.** Equipment. In service.
- Pennsylvania Steel Co., The, Steelton, Pa.** Railroad Supplies. S. 1st St. Steel Rails and Fastenings, Frogs, Switches, Crossings, Switch Stands, Special Track Work, Track Accessories, Bridges and Viaducts.
- Pennsylvania System.** Educational railroad exhibit. Av. C, cor. 5th St. Relief map of system; models of New York City showing Pennsylvania Station one block from Broadway. Models of Union Station at Washington. The proposed terminal at Chicago and Hell Gate Bridge. Motion picture theater constructed of two Pennsylvania standard all steel coaches. Block signals of latest design in operation. Illustrated booklet describing this system and exhibit under direction of traffic department. The exhibit is in charge of Mr. H. T. Wilkins. The Pennsylvania System is the standard railroad of America and consists of the Pennsylvania Railroad, General Office, Philadelphia, Pa.; The Pennsylvania Lines, General Office, Pittsburgh; and affiliated lines. San Francisco Offices, 40 Powell Street.
- Philip Carey Co., Cincinnati.** Equipment. In service.
- Pittsburg Steel Foundry Co., Pittsburg.** Equipment. In service.
- Pyle National Elec. Headlight Co., Chicago.** Headlights. In service.
- Railway Specialties Co., Los Angeles.** Signal apparatus. No. 8th St.
- Rail Joint Co., The, New York, N. Y.** Rail-joints. West Av. A.
- Railway Motor Car Co., Marion, Ind.** Railway equipment. Tracks 7 & 8.
- Safety Car Heating and Lighting Co., New York, N. Y.** Car equipment. 1st St., cor. Av. D. Mch. Pal.
- Sangamo Electric Co., Springfield, Ill.** Car equipment. 2nd St., cor. Av. C2. Mch. Pal.
- Sargent Company, Chicago.** Equipment. In service.
- Shannon, W. T., Cincinnati, O.** Flat bottom culvert.
- Service Recorder Co., Cleveland, O.** Recording devices. Av. A, cor. 2nd St. Mfrs. Pal.
- Southern Pacific Co., San Francisco.** Motive power and equipment. Tracks 1, 3, 8, 9, 10.
- Standard Steel Works, Philadelphia.** Equipment. In service.
- St. Louis Car Co., St. Louis, Mo.** Street railway equipment. Track 7.
- St. Louis Steel Foundry Co., St. Louis, Mo.** Track work. Mch. Pal. 4th & 5th Sts. & Av. I. Parrott & Co., San Francisco, Const Representatives. See Ad on front cover of Machinery catalog.
- Symington Co., T. H., Rochester, N. Y.** Equipment. In service.
- Taylor Instrument Co., Cleveland, O.** Instruments. Min. Pal. 5th St., bet. Aves. A & B.
- Taylor Portable Steel Derrick Co., Chicago, Ill.** Railway equipment. Track 7. Loading and unloading gondola cars.
- Taylor Wharton I and S., Co., Highbridge, N. J.** Track work. 3rd St., North of Av. F.
- Toledo Scale Co., Toledo.** Scales. Lab. Pal. 5th St., bet. Aves. C & D.

Toledo Scale Co., Toledo, Ohio. Scales. Heavy capacity scales, dormant and portable. Exhibit in Lib. Arts Pal. 5th St., bet. C & D.

Union Draft Gear Co., Chicago. Draft gear. In service.

Union Railroad Co. Photographic ex.

Union Switch & Signal Co., The, Swissvale, Pa. Railway equipment. Av. C, cor. 5th St. Railway signals.

United Autographic Register Co., The, Chicago, Ill. Dispatching system. Lib. Arts Pal. 7th St., bet. Aves. C & D.

U. S. Metallic Packing Co., Philadelphia. Equipment. In service.

U. S. Steel Corporation & Subsidiary Co's., New York. Collective steel and railway exhibit. Mines Palace.

United States Steel Products Co., San Francisco, Cal. Railroad turntable. Rotunda of Building.

Wells Fargo & Co., San Francisco, Cal. Express service. North 1st St.

Western Pacific-Denver & Rio Grande, Missouri Pacific-Iron Mountain System. Traffic Promotion, "The Globe," North 1st St.

Westinghouse Air Brake Co., Pittsburg, Pa. Air brakes. Mch. Pal. Air compressors, installed in Machinery Hall, Block 33.

Westinghouse Electric & Mfg. Co., Pittsburg, Pa. Railway equipment. Pennsylvania electric locomotive on turntable; railway motors and control; devices of all kinds for electric locomotives and cars; pressed steel frame motor; electrical equipment of various kinds for urban and interurban railroads; trolley line material; model substation, under Dome. Wheel lathe motor and control. Mch. Pal., 3d St. and Av. C.

Westinghouse Pacific Coast Brake Co., San Francisco, Cal. Railway equipment. Mch. Pal. 3rd St., bet. Aves. C2 & D.

Westinghouse Traction Brake Co., Pittsburg, Pa. Air brakes. Mch. Pal. Installed in Machinery Palace, Block 33.

Wolverine Lubricants Co., Franklin, Pa. Lubricants. Min. Pal. 4th St., bet. Aves. C & D.

GROUP 104

MATERIAL AND EQUIPMENT USED IN THE MERCANTILE MARINE

Alaska Steamship Co., Seattle, Wash. Traffic promotion. 3rd St., bet. Aves. D & F.

Am. Bridge Co., Pittsburgh. Barge models and dock photos.

American Ever Ready Works, San Francisco, Cal. Accessories. 8th St., cor. Av. C. Representing National Carbon Co., Storage and Dry Batteries; Carbon Products; Flash Lights and Novelties.

American-Hawaiian Steamship Co., New York, N. Y. Marine travel. Av. C, cor. 1st St.

Armstrong Cork Co., Pittsburg, Pa. Marine equipment. Mfr. Pal. 6th St., cor. Av. B.

Babcock & Wilcox Co., New York. Marine equipment. Mch. Pal. Av. G, bet. 2nd & 3rd Sts.

Bausch & Lomb Optical Co., Rochester, N. Y. Range Finder. L. A. 5th St., cor. Av. D.

Cowan Truck Co., Holyoke, Mass. Marine equipment. Mch. Pal. 3rd St., cor. Av. E.

Devlin, Thos. Mfg. Co., Philadelphia. Marine hardware. Lib. Arts Pal. 5th St., bet. Aves. C & D.

Doak Gas Engine Co., Oakland, Cal. Marine engines. Mch. Pal. 4th St., cor. Av. F.

Doman Co., H. C., Oakbrook, Wis. Marine engines. Mch. Pal. 4th St., bet. Aves. E & F.

Gabriel Horn Mfg. Co., Cleveland, O. Accessories. Trail of Sunset.

General Electric Co., Schenectady, N. Y. Trans. Pal., Av. C, cor. 2nd St. Electrical Propelling Machinery for Vessels.

Gordon Propeller Co., The, Cleveland, O. Marine equipment. Mch. Pal. 5th St., cor. Av. D. Reversible, weedless and feathering propellers; stuffing boxes and struts.

Holland-American Steamship Co., Rotterdam, Holland. Marine travel. 3rd St., cor. Av. C.

Hyde, Henry C., Co., San Francisco, Cal. Marine engines. Mch. Pal. 4th St., bet. Aves. E & F. See exhibit of marine engines in Block 37, Machinery Hall.

International Mercantile Marine Co., New York and San Francisco. Models of ships. Av. C, bet. 2nd & 3rd Sts. American Line, Atlantic Transport Line, Leyland Line, Panama-Pacific Line, Red Star Line, White Star Line, White Star Dominion Line. Office, 319 Geary St., San Francisco, Cal.

Imperial Gas Engine Co., San Francisco, Cal. Marine engines. Mch. Pal. 4th St., cor. Av. E.

Keuffel & Esser, San Francisco. Marine equipment. Lib. Arts. 5th St., bet. Aves. C & D.

Loew-Victor Engine Co., Chicago, Ill. Marine engines. Mch. Pal. 4th St., cor. Av. F.

Malleable Iron Fittings Co., Branford, Conn. Marine Equipment. Av. B, bet. 1st and 2nd Sts., V. I. Pal.

Marine Efficiency Co., New York, N. Y. Marine equipment. Mch. Pal. 1st St., cor. Av. G2.

Marland, W. J., Oakland, Cal. Marine equipment. Mch. Pal. 1st St., cor. Av. D.

Maryland Steel Co., Sparrow's Point, Md. Ship builders. S. 1st St. Model Steamer "Ancon."

Michigan Wheel Co., Detroit. Propellers. Mfr. Pal. 7th St., cor. Av. A.

Miller Gas Vacuum Engine Co., Chicago. Marine Engine. Mfr. Pal. 7th St., cor. Av. A.

Old Town Canoe Co., Old Town, Me. Canoes. Mfr. Pal. 7th St., cor. Av. A.

Pacific Coast Steamship Co., San Francisco, Cal. Marine travel. Av. F, cor. 5th St.

Peerless Marine Motor Co., Buffalo, N. Y. Marine engines. Mch. Pal. 4th St., bet. Aves. E & F.

Pittsburgh Steamship Co., Cleveland. Models ore boats and painting of fleet.

Pneumercator Co., New York, N. Y. Marine Equipment. Mch. Pal. 1st St. and Av. C2. Instruments for measuring and registering drafts and displacement of vessels; weighing cargoes and bunkers. New York Office, 118 Liberty Street. Gardner Cornett, President; James C. H. Ferguson, Pacific Coast Representative, Monadnock Building, San Francisco, Cal.

Safety Car Heating and Lighting Co., New York, N. Y. Marine equipment. Mch. Pal. 1st St., cor. Av. D.

Shepard Electric Crane & Hoist Co., Montour Falls, N. Y. Marine equipment. Mch. Pal. 2nd St., cor. Av. I.

Snow & Potrelli Co., The, New Haven, Conn. Marine Equipment. Av. B, bet. 1st and 2nd Sts., V. I. Pal.

Standard Gas Engine Co., San Francisco, Cal. Marine engines. Mch. Pal. 1st & 2nd Sts.

Taylor Instrument Co., Cleveland. Instruments. Min. Pal. 5th St., bet. Avs. A & B.

Union Oil Company of California, San Francisco. Marine equipment. Mch. Pal. 2nd St., cor. Av. G2.

U. S. Steel Corporation & Subsidiary Co's., New York. Collective iron and steel exhibit. Mines Palace.

U. S. Steel Products Co., New York. Models of ships, maps, charts, etc.

Waterman Marine Boat Co., Detroit, Mich. Marine engines. Mch. Pal. 4th St., bet. Avs. E & F.

Weeks, Howe, Emerson Co., San Francisco. Marine Equipment. Mfr. Pal. 7th St., cor. Av. A.

Western Machinery Mfg. Co., Milwaukee, Wis. Marine engines. Av. F, bet. 6th & 7th Sts.

Western Motor Mfg. Co., Milwaukee, Wis. Marine engines. Av. F, bet. 6th & 7th Sts.

Westinghouse Electric & Mfg. Co., Pittsburgh, Pa. Motors and control suitable for propelling boats; electrical apparatus suitable for use on shipboard, under Dome. Electrical equipment suitable for use on shipboard; reduction gears. Mch. Pal., 3rd St. and Av. C.

Wilcox, Crittenden & Co., Middletown, Conn. Marine Equipment. V. I. Pal. East Av. A.

GROUP 100

MATERIAL AND EQUIPMENT OF NAVAL SERVICES—NAVAL AND MILITARY ORDNANCE

Bliss Company, E. W., Brooklyn, N. Y. Marine ordnance. Mch. Pal. 3rd St., bet. Avs. F & G.

Taylor Instrument Co., Cleveland, O. Instruments. Min. Pal. 5th St., bet. Avs. A & B.

Winchester Repeating Arms Co., New Haven, Conn. Arms and armament. Mch. Pal. 7th St., bet. Avs. C & D.

GROUP 107

DIRIGIBLES

Bristol Co., The, Waterbury, Conn. Barometer. Mach. Pal. 2nd St., cor. Av. D.

GROUP 108

SPHERICAL BALLOONS

Bristol Company, The, Waterbury, Conn. Mch. Pal. 2nd St., cor. Av. D. Recording Barometers.

GROUP 109

MILITARY BALLOONING

Taylor Instrument Co., Cleveland, O. Instruments. Min. Pal. 5th St., bet. Avs. A & B.

GROUP 110

AEROPLANES

Bassi, E. F., San Francisco. Hydroplane. East Av. C.

Beachey, Lincoln, San Francisco. Aeroplane. East Av. C.

Fowler, Robt. G., San Francisco, Cal. Aeroplanes. East Av. C.

National Tube Co., Pittsburgh. Material for aeroplanes.

U. S. Steel Corp. and Subsidiary Companies, New York. Collective iron and steel exhibit. Mines Pal.

GROUP 112

MOTORS

Hall-Scott Motor Car Co., San Francisco, Cal. Aviation Power Plant. East Av. C.

GROUP 113

LITERATURE

Benton Co., W. E., San Francisco. Decorations. In service.

California State Automobile Association, San Francisco, Cal. Automobile literature. Cor. Av. A & 5th St.

Electric Railway Journal (weekly), New York, N. Y. Mch. Pal. 2nd St. and Av. C. Electric Railway and Engineering Publication. S. E. Office, Rialto Bldg.

Oregon, State of, Salem, Ore. Travel literature. 8th St., cor. Av. C.

Statistics and Immigration, Bureau of, Olympia, Wash. Travel literature. 7th St., cor. Av. F.

UNITED STATES GOVERNMENT

TRANSPORTATION DEPARTMENT

Palace of Machinery, 1st St., Aves. A, B & C.

Quartermaster Corps, U. S. Army (War Dept.)
Corps of Engineers, U. S. Army (War Dept.)
Ordnance Department, U. S. Army (War Dept.)
The Panama Canal.
U. S. Coast Guard.
Bureau of Yards and Docks (U. S. Navy).
Coast Artillery Corps, U. S. Army.
Bureau of Navigation and Bureau of Standards.
Bureau of Steam Engineering.
Bureau of Lighthouses, Department of Commerce.

Palace of Liberal Arts, Av. C, cor. 5th St.
U. S. Treasury Department.
The Smithsonian Institution.
Langley Aerodynamical Laboratory.

Palace of Transportation, Track 3

Post Office Department—A Model Railway Post Office. This exhibit is an all-steel railway postal car, built in strict accordance with the standard requirements of the Post Office Department which are framed with a view to the greatest possible safety and comfort for the men engaged in the Railway Mail Service and the greatest facility and safety in the handling of the public's mail. In the interior of this car is found a faithful reproduction of the work performed by postal clerks in moving trains. Regular postal clerks are stationed in the car to explain to visitors the many interesting features of this branch of the postal service. Motion pictures of the Railway Mail Service may be seen in the Motion Picture Room which adjoins the Model Post Office in the Mines Building.

UNITED STATES INSULAR POSSESSIONS

PHILIPPINE ISLANDS

Location: Agricultural Palace, bet. 2d & 3d Sts.

GROUP 101

CARRIAGES AND WHEELWRIGHTS' WORK, AUTOMOBILES AND CYCLES

Government of Philippine Islands, Manila.
Farm cart.

The following exhibits of the Philippine Islands, classified in this department, are installed in the Philippine Pavilion:

GROUP 102

SADDLERY AND HARNESS

Province of Cagayan, Tuguegarao. Saddles and bridles.
Province of Ilocos Sur, Vigan. Saddles.
Province of Bulacan, Bulacan. Saddles and harness.

GROUP 104

MATERIAL AND EQUIPMENT USED IN THE MERCANTILE MARINE

Bureau of Science, Manila. Canoe bound with rattan and called; type used in Cagayan Valley.
Victoriano Sucatre, San Francisco. Miniature steamboat made mainly with bolo jackknife.

GROUP 106

MATERIAL AND EQUIPMENT OF NAVAL SERVICES; NAVAL AND MILITARY ORDNANCE

Bureau of Science, Manila. Collection of weapons and implements and armor from various parts of the Philippines.
Department of Mindanao and Sulu, Zamboanga, Mina. Collection of Moro weapons, including various styles of bolos,ampilan, etc.
University of Santo Tomas.

FOREIGN GOVERNMENTS

ARGENTINE

Esplanade, Near Fine Arts Palace.

GROUP 100

MATERIAL AND EQUIPMENT OF NAVAL SERVICE, NAVAL AND MILITARY ORDNANCE

Direccion General de Arsenales de Guerra (General Direction of War Arsenals, War Office), Buenos Aires. Arms and accessories used in the Argentine Army.

AUSTRALIA

Australian Pavilion, Presidio Entrance, Opposite French Pavilion.

GROUP 101

CARRIAGES AND WHEELWRIGHTS' WORK, AUTOMOBILES AND CYCLES

A. Gray, Brisbane, Queensland. Wagon wheels.

Dr. Jas. Hodgson, Melbourne, Victoria. Auto springs.

Jolliffe & Co., Brisbane, Queensland. Cradle-craft sulky.

GROUP 102

SADDLERY AND HARNESS

Hemsworth, M., Sydney, New South Wales. Saddles and harness.

Walther & Stevenson, Ltd., Sydney, New South Wales. Saddles, bridles, etc.

CHINA

Palace of Transportation, Av. D, cor. 3d St.

GROUP 103

RAILWAYS

Ministry of Communications, Peking, China.

Models of locomotive.

Model of sleeping-car.

Models of tender.

Model of baggage-car.

Model of 30-ton wagon.

Model of truck.

Model of plate-girder.

Model of signals.

Standard diagrams and specifications of construction.

General views of Tang Shan Works.

Photos of Peking-Mukden Railway.

Photos of Shan-Hai-Kwan Bridge Works.

Model of Reserved-Car.

Model of Yellow-river bridge.

Model of train staff.

Standard construction of cars and locomotives.

Photos.

Model of second-class car.

Model of coaching truck.

Model of Soochow station.

Plans of Shanghai State. Plans and specification.

Model of goods-car with extensible bogies.

Model of extensible bogies.

Model of wooden bridge.

Model of coal truck.

Model of truss bridge.

Picture of Yellow-river bridge.

Model of typical railway station.

Traffic and transportation forms.

Railway uniform, post uniform.

Stamps, post cards and money order forms.

Postal map of China.

Postal views.

Photographs.

Model of biggest American locomotive now used on Peking-Kalgan Railway.

Statistical charts.

Han-Yang Iron Works, Han-Yang, China.

Models of rails.

GROUP 104

MERCANTILE MARINE

China Merchants Steamship Co., Shanghai, China. Models of coast steamer; models of a river steamer.

Chew-Sing Machine Works, Shanghai, China. Model of a ferryboat.

Kan-Kai & Liang-Hon Co., Canton, China. Model of a fishing boat.

Cheung Woo Co., Canton, China. Model of an old excursion boat.

CUBA

Cuban Pavilion, Avenue of Nations

GROUP 104

MERCANTILE MARINE

Angel Fernandez Marcane. Marine hardware.

ENGLAND

Palace of Transportation

GROUP 101

CARRIAGES AND WHEELWRIGHTS' WORK, AUTOMOBILES AND CYCLES.

Coventry Chain Co., Ltd., The, Coventry, England. Automobile accessories. 5th St. and Av. D. Western representatives, Hansen Auto and Machine Works, 540 South Lake Av., Pasadena, Cal. "Noiseless" drive chains for transmission of power.

Bolla-Royce, Ltd., London, Eng. Automobile. Court of Universe Blvd.

GROUP 102

SADDLERY AND HARNESS

Riordan & Co., London, Eng. Panoramic map. Av. F, bet. 5th & 6th Sts.

GROUP 104

MERCANTILE MARINE

Riordan & Co., London, Eng. Life saving appliance. Av. D, bet. 5th & 6th Sts.

GROUP 113

LITERATURE

Cook & Son, Thos., London, England. Literature. Cor. Av. D & 2nd St.

FRANCE

Location: 3d St., cor. Av. C, Mfr. Pal.
GROUP 103

HOTEL INDUSTRY AND LEGISLATION

Chabert, Pierre, Nice. Hotel books.
Charpentier, E., Paris. Book.
Gaujal, Henri, Nice. Books.
Perreard, Eugene, Cannes. Book.
Rul, Benoit, Paris. Book.

HOSTELRY SCHOOLS

Hostelry School of Thonon-Les-Bains, Haute-Savoie. Maps.
College of Cannes, Alpes-Maritimes. Hotel technical courses.
Chabert, Pierre, Nice. Maps showing the development of the French hostelry.

HOTEL SYNDICAL IMPROVEMENTS

Syndical Assn. of Hotelkeepers of the Alpes and the Rhone Valley. Publication of the Union.
Hotelkeepers Assn. of Cannes and Environs. Map.
Hotelkeepers Union of the Cote d'Azur. Nice. Map and publication.
Syndical Chamber of Hotelkeepers of Nice, Alpes-Maritimes. Map, models.
Hotels Commercial Society of Nice. Map.
"Vic." Paris. Publication.
Syndicate of Hotelkeepers of Pau (Basses-Pyrenees) and environs. Publication.
Federation of Hotelkeepers of the S. W. of France, Toulouse. Publication.
Union Syndicale Hoteliere of the Vosges & Summer Resorts of the East. Publication.

HOTEL GUIDE BOOKS

Hotel Guide of the Alps and Rhone Valley. Book.
Syndicat d'Initiative of Grenoble (Hotelier Viterbo & Co., Paris). Guide book.
Syndical Chamber of Hotelkeepers of Nice (Hotelier Viterbo & Co., Paris). Guide book.
Hotelkeepers & Entrepreneurs Syndicate, Toulouse (Viterbo & Co., Paris). Guide book.
Alpin, Joseph, N. C. (Alpine Club). Guide book.

MUTUALITY

The "Syndicate Hotelier" Paris. Map.
The "Mutualite Hotelier" Society of Nice. Map.

HOTEL TRANSPORTATION

Epinat, J. Transportation, roads, roads maps.
Hennegou, Cannes (Alpes-Maritimes). Photo.

MISCELLANEOUS

Chabert, Pierre, Nice, Alpes-Maritimes. Maps.
Chabert & Bresson, Nice (Alpes-Maritimes). Hotel technical courses.
Eschuet, A., Cannes (Alpes-Maritimes). Hotel technical publications.
Marcelet, Henri, Nice (Alpes-Maritimes). Publications, analyses, maps.
Rinaldi, J., Nice. Models, books.

HOTELKEEPERS

Aiguilles (Hautes Alpes), LeGrand Hotel. Photos.

Aix-Les-Bains (Savoie), Grand Hotel du Nord. Photos.

Algeria. Collective exhibit of photos.

Annecy (Haute-Savoie), Hotel du Mont-Blanc. Photos.

Ballon D'Alsace (Vosges), Hotel Du Ballon D'Alsace. Photos.

Bastia (Corse), Cyrnos Palace Hotel. Photos.

Bourbon L'Archambault (Allier). Guide book and photos.

Bourboule, La (Puy-de-Dome), Hotel Splendide. Photos.

Cap Ferrat, Le (Le Grand Hotel du Cap Ferrat). Photos.

Cauterets (Hautes Pyrenees), Les Hotels Maillon. Photos.

Chamonix (Hte Savoie), Grand Hotel Cachat & Du Mont Blanc, The Majestic Palace. Maps, photos, plans.

Compeigne (Oise), Hotel Du Rond Royal. Photo.

Contraxeville (Vosges). Photos.

Corse, Dept. De La. Photos.

Dauphine—Panorama.

Deauville (Calvados), Normandy Hotel. Photo.

Dieppe (Seine Inferieure), Royal Hotel, "The Gordon Hotels Co." Photos.

Enghien Les Bains (Seine et Oise), Restaurant Du Casino. Photos.

Evian Les Bains (Haute Savoie). Panoramas, photos, guide book.

Evian Les Bains (Haute Savoie), Hotel Ermitage, Hotel Royal, Hotel Splendide. Photos.

Fayet Saint Gervais, Le (Hte Savoie), Hotel De Paris. Photos.

Gavarnie (Hte Pyrenees), Grand Hotel Du Vignemale. Photos.

Gerdarner (Vosges). Photos.

La Grande Chartreuse-St. Pierre de Chartreuse—Hotels Du Grand Som, Du Desert. St. Bruno. Photos.

Le Havre, Ermitage Hotel. Photo.

Heudaye (Basses Pyrenees), Hotel Eskualduna. Photos.

H. d. l. e. (Calvados), Hotel Royal & Beau Sejour. Photos.

Martigny Les Bains (Vosges). Photos.

Mont Dore, Le (Puy-de-Dome), Hotel Splendide. Photos.

Nantes, Central Hotel. Photos.

Paris, Hotel Continental. Writing room.

The Daily Mail Continental Edition.

Royal Palace Hotel. Photos.

Hotel Seille. Photos.

Pau (Pyrénées), Grand Hotel Gassion. Photos.

Royat (Puy de Dome), Royat-Palace Hotel. Photos.

St Julien en Genevois (Arondissement de) (Haute Savoie). Photos.

Thonon les Bains (Hte Savoie). Photos.

Thorenc (Alpes Maritimes). Photos.

Le Touquet Paris Plage (Pas de Calais). Photos, guide books.

Vichy, Hotel Carlton, Hotel Majestic, Hotel du Parc, Hotel Pavillon Sevigne, Hotel Thermal. Photos.

Vittel (Vosges). Photos, panorama, guide book.

Voages), Hotel Continental, Hotel de blissement, Nouvel Hotel, Hotel du Vittal Palace Hotel, Central Hotel.

(Department de l'). Photos.

Asur Exhibit. Photos of principal in Nice, Cannes, Baenlien Sur Mer, oleil, Monaco and Monte Carlo, Men-saint Raphael and environs, and Hy-and environs.

Hotel du Cap d'Antibes. Photos.

(Var), Le Grand Hotel. Photos.

Al (Alpes-Maritimes). Pictures and

que Cote d'Azur. Panoramas, pic-water colors, etc.

GROUP 104

MERCANTILE MARINE

nie Generale Transatlantique, Paris.

GUATEMALA

malan Pavilion, Near Inside Inn

GROUP 102

SADDLERY AND HARNESS

dre Pumba, Escuintla. Horse hair

symande, Salama, Baja Verapaz. Horse

de Industrias, Guatemala, Guate-
Agave girth (cincha), horse hair
stalls, horse hair holders, string head

School, San Lorenzo, Sacatepequez.

Tegura. Cowboy's saddle.

a, M. Cowboy's saddle.

a, Progreso. Maguey head stall.

, Jutiapa. Maguey bridles (Agave).
mental Gardens, Guatemala, Guatemala.
ey straps, Maguey girth (Agave).

Tajon, Acatenango, Chimaltenango.

ey straps.

blo, San Marcos. Agave straps.

de Varones, San Lorenzo, Sacate-

a. Agave straps.

o Estrada, Concepcion, San Marcos.

ey girth (cincha).

i Abaj, Acatenango, Chimaltenango.

ey girths (cincha).

o Solola. Saddle pad.

res, Claudio, Retalhulen, Retalhulen.

e frame.

ITALY

al Trans., Av. D, cor. 5th St.

Franchini, Turin, Italy. Automobile.

JAPAN

of Transportation, Av. F, bet. 5th and

GROUP 108

RAILWAYS

urasa, Tokyo.

The Government of Kwantung, Dairen, South Manchuria.

GROUP 104

MERCANTILE MARINE

Imperial Dept. of Navy, Tokyo.

Imperial Dept. of Communication, Tokyo.

The Kawasaki Shipbuilding Yard, Kobe.

Toyo Kisen Kabushiki Kaisha, Tokyo.

Kabushiki Kaisha Kawasaki Zosenjo.

NETHERLANDS

Netherlands Pavilion, Esplanade, near Fine Arts Palace

GROUP 108

RAILWAYS

Netherlands East Indian Commission, Netherlands, E. I. Model railway bridge over Ferajoe.

GROUP 104

MERCANTILE MARINE

Kon Paketvaart My, Batavia, E. I. Draw-ings of steamships.

Kon. Ned. Fabriek Werkspor, Amsterdam, Ned. Navigation. Av. D, cor. 5th St. Tra. Pal.

Netherlands East Indian Commission, Buitenzorg, Java. Acetylene, beacon and model of lighthouse, as used in the Netherlands East Indian Colonies. Map showing the coast lights and other equipment for light-ing channels and harbors in the Nether-lands archipelago.

Royal West Indian Mail, Amsterdam, Ned. Ship Models. Av. D, cor. 5th St. Tra. Pal.

"Werf Conrad," Haarlem, Ned. Ship Mod-els. Av. D, cor 5th St. Tra. Pal.

GROUP 118.

LITERATURE

Netherlands East Indian Commission, Nether-lands, E. I. Drawings and photographs of transportation system on land and by water.

NEW ZEALAND

New Zealand Pavilion, near Presidio Entrance, Opposite French Pavilion

GROUP 101

CARRIAGES AND WHEELWRIGHTS' WORK, AUTOMOBILES AND CYCLES.

Mt. Cook Motor Co., Ltd., Fairlie, N. E. Motor sleighs.

GROUP 102

SADDLERY AND HARNESS

Wiseman, J. & Sons, Ltd., Auckland, N. E. Saddles and bridles.

GROUP 108.

RAILWAYS

New Zealand Government Railways.

NORWAY

Presidio Entrance, near French Pavilion.

GROUP 104

MERCANTILE MARINE

Norwegian Ship Owners' Association, Fred Olsen, Norwegian American Line, Kristiania. An exhibition designed to show the present condition of the Norwegian merchant marine and the evolution and development of Norwegian shipping from ancient times to the present day, comprising:

1. Model of the Oseberg Viking ship from the 9th Century extermmed from mound at Oseberg.
2. Model of the first Norwegian steam vessel, "Constitutionen."
3. Model of Norwegian lifesaving boat.
4. Model of "Femboring," fishing boat used in northern Norway.
5. Model of whaling vessels—the smaller harpoon shooting boats and the larger, and the larger storage and boiling plant. (Sample of the harpoon invented by Sven Foyen.)
6. Model of "Bergensfjord," Norway's largest and most modern passenger steamer.
7. Model of "Balboa," Diesel motor vessel now building for Fred Olsen at Akers' Shipyards, Norway.
8. Relief map showing Norway's merchant marine collected according to tonnage in inner harbor of Kristiania-fjord.
9. Maps, charts and statistics.

SIAM

Siamese Pavilion, Avenue of Nations

GROUP 104

MERCANTILE MARINE

Province of Nakawan Sawan. Models: "Hala boat" and "Mac Pa."

SWEDEN

Swedish Pavilion, Avenue of Nations

GROUP 103

RAILWAYS

Commercial Acet. Ry. Lt. & Signal Co., Stockholm, Sweden. Ry. equipment. Min. Pal. Kungl. Jarnvacsstyrelsen, Stockholm. Trafikaktiebolaget Grangesberg - Oxelosund, Stockholm.

GROUP 104

MERCANTILE MARINE

Aktiebolaget Svenska Ostasiatiska Kompaniet, Goteborg. Bederaktiebolaget Transatlantic, Goteborg. Svenska Sallskapet For Raddning Af Skeppsbrotna, Goteborg. A. F. Wiking, Stockholm. Self-dumping barge model. Svenska Aktiebolaget Logg, Stockholm. Automatic speed and distance recorder.

URUGUAY

Located in Palace of Liberal Arts, Av. B, 7th & 8th Sts.

GROUP 101

CARRIAGES AND WHEELWRIGHTS' WORK, AUTOMOBILES AND CYCLES.

Cerbasi, Servatti of Cia. Electric lantern for auto. V. I. Pal.

GROUP 103

RAILWAYS

Seccion Comercial del Ministerio de Relaciones Exteriores, Montevideo, Uru. A map of Uruguay railroads and statistic charts to make propaganda abroad.

Direccion de Hicrografia.

Direccion de Ferro Carriles.

GROUP 104

MERCANTILE MARINE

Direction of Hydrography, Montevideo. 1 picture lighthouse of La Panola; 1 picture lighthouse of Lobos; 1 picture lighthouse of Polenio; 1 picture lighting beacons; 1 book, lighthouses and signals.

SWEDEN

GROUP No. 101

CARRIAGES AND WHEELWRIGHTS' WORK, AUTOMOBILES AND CYCLES

Husqvarna Vapenfabriks A-B., Husqvarna, Sweden. One ordinary bicycle and one army bicycle.

GROUP No. 103

RAILWAYS

Royal Government Railroad Department, The, Stockholm, Sweden. Four models of steam locomotives; three models of passenger coaches, and one model of steam ferry, carrying trains from Sweden to Germany; statistical charts and photographs.

GROUP No. 104

MERCANTILE MARINE

Royal Pilot Board, The, Stockholm, Sweden. Statistical chart.

Gasaccumulator Company, Ltd., The, Stockholm, Sweden. Working and demonstration models of "A. G. A." automatic light-

Grangesberg-Oxelosund Traffic Co., Ltd., T Stockholm, Sweden. Models of old & new-style ore-carrying steamers.

Goteborgs Nya Verkstads A-B., Gothenburg, Sweden. One model of battleship, one model of ice-breaking steamer and one model of an oil-tank steamer.

Swedish East-Asiatic Co., Ltd., The, Gothenburg, Sweden. Three models of freight steamers; maps and photographs.

Transatlantic Steamship Co., Ltd., The, Gothenburg, Sweden. Two models of freight steamers; maps and photographs.

Swedish Society for the Saving of Life from Shipwrecks, The, Gothenburg, Sweden. One model of life-saving vessel.

Wiking, A. F., Stockholm, Sweden. Model of self-dumping barge and photograph.

Swedish Log Co., Ltd., The, Stockholm, Sweden. Complete log installation for vessel.

MATE

OF NAVY MILLS

Official Catalogue of Exhibitors

Panama-Pacific International Exposition
San Francisco, California, 1915

CHARLES C. MOORE
President

Director-in-Chief
FREDERICK J. V. SKIFF

Division of Exhibits
ASHER CARTER BAKER, Director

Department **H**
AGRICULTURE
T. G. STALLSMITH, Chief

Published for the Division of Exhibits by
The Wahlgreen Company, Official Publishers
San Francisco, 1915

PREFACE

By Asher Carter Baker, Director of Exhibits.

A modern, universal exposition is an encyclopedia of man's words and works. It is a collection of the achievements and productivity of man for examination by the International Jury of Awards, and constitutes a compact, classified, indexed compendium of man's activity in all phases, extending from the most material to the most refined products. It is estimated that a million objects are exposed in the various displays installed within the palaces, and in the foreign, state and special pavilions. To properly classify, group and arrange all the exhibits of an exposition of such international scope, is a task of such magnitude that it was impossible to provide a complete catalogue of these exhibits on the opening day of the Exposition.

This revised and complete edition of the official catalogue is therefore presented. In realization of its extraordinary value as a document of general and commercial reference, special care has been given to its preparation, so that it constitutes a full list of the infinite variety of interesting exhibits which are the concrete evidences of the industrial, educational and artistic advancement of the world.

Acknowledgment is hereby offered of the excellent co-operation received in the compilation of this catalogue from the Commissioners-General of participating nations, officers of State Commissions, individual exhibitors, and more particularly the various officers of the Division of Exhibits, as also from the Official Catalogue Company, the publishers of this catalogue.



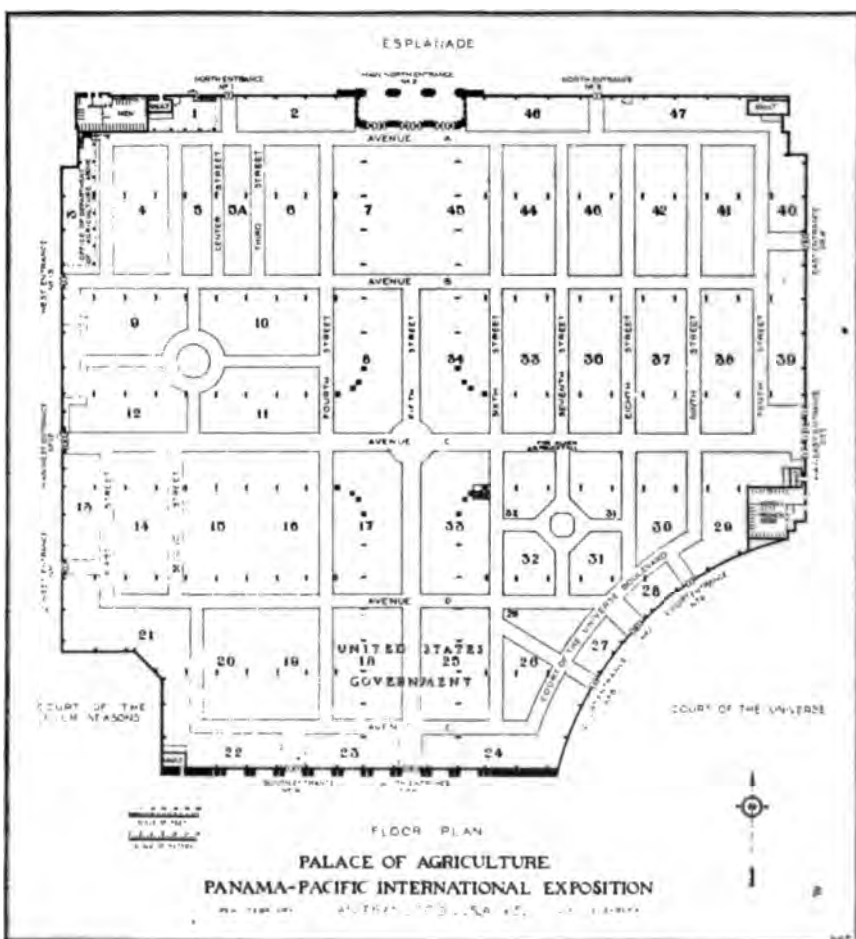
PALACE OF AGRICULTURE

AGRICULTURE

Official Catalogue Department H

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INTRODUCTION

Department of Agriculture

Installation of Exhibits

Palace of Agriculture, Palace of Food Products, House of Hoo
Hoo, Redwood Bungalow, Oregon Fir Bungalow,
Pacific Coast Condensed Milk Company Pavilion.
Live Stock Equipment, Dairy Barn, Silos, Etc.

By **THOMAS G. STALLSMITH**
Chief of Department

As Agriculture is the most fundamental and varied of the Industries, the exhibition of all that pertains to agricultural pursuits and the production of food products is planned on a scale of magnitude and diversity that reflects its importance and multiform character.

The exhibits are contained principally in two Palaces—the Palace of Agriculture—embracing a floor area of over seven acres, and the Palace of Food Products covering about five and one-fourth acres. All of the exhibits are of the most interesting and instructive character. All the features are of extreme interest and importance in their bearing on the agricultural systems existing in all agricultural countries of the world.

Modern intensive, scientific agriculture in all branches is shown in comprehensive instructive detail.

From agriculture comes the products—the foodstuffs—that build the temple that enshrines the soul. The reduction of primary agricultural products to prepared nourishing foods, under the most scientific and sanitary methods is shown instructively, and the possibilities of educational value therefrom are incalculable.

Each Group, numbering twenty-two, and each Class, numbering one hundred and sixteen, covering the entire field of primary agriculture, food production, are fully shown.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

- Class 579. Cereals: wheat, rye, barley, maize, millet, oats, rice, buckwheat and other cereals in sheaves or in grain.
- Class 580. Legumes and their seeds: beans, peas, lentils, etc.
- Class 581. Tubers and roots and their seeds: potatoes, beets, carrots, turnips, radishes, etc.
- Class 582. Miscellaneous vegetables and their seeds: cabbages, peppers, artichokes, mushrooms, cresses, etc.
- Class 583. Sugar producing plants and their products: beets, cane, sorghum, etc.
- Class 584. Miscellaneous plants and their products: coffee, tea, cocoa, etc.
- Class 585. Oil producing plants and their products.
- Class 586. Forage, growing, green, cured or in silos; fodder for cattle; forage, grass and field seeds.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

- Class 587. Methods and implements for gathering the products of the soil obtained without culture.
- Class 588. Mushrooms; truffles; edible wild fruits.
- Class 589. Plants, roots, barks, leaves, fruits obtained without cultivation and used by herbalists, in pharmacy, for dyeing, manufacture of paper, oils, or for other purposes.
- Class 590. India rubber; gutta percha. Gums and resins.

GROUP 122

ANIMAL FOOD PRODUCTS

- Class 596. Dairy fittings and appliances, churns, butter workers, cans, pails, cheese presses, vats, separators, testers, pasteurizers, etc., including all fittings and appliances for the preparation, preservation, transportation, distribution and delivery of milk for the supply of cities and towns.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

- Class 646. Textile plants: cotton; flax and hemp in the straw, scutched or unscutched; ramie, phormium, tenax, vegetable fibers of all kinds.
- Class 647. Oil producing plants, in stalk or in seed.
- Class 648. Non-edible vegetable fats and oils.
- Class 649. Plants containing tannin, weeds and noxious plants.
- Class 650. Plants containing dyes, medicinal plants.
- Class 651. Hops, teasels, broomcorn, etc.
- Class 652. Wool, raw, washed or unwashed.
- Class 653. Packing house by-products.
- Class 654. Feathers, down, hair and bristles, etc.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

- Class 655. Systematic collections of useful and injurious insects.
- Class 656. Systematic collections of vegetable parasites from plants and animals.
- Class 657. Bees, silkworms and other bombycids, cochineal insects.
- Class 658. Appliances for rearing and keeping bees and silk worms. Bee and silkworm products; honey, wax, cocoons.
- Class 659. Appliances and processes for destroying plant diseases and injurious insects.

GROUP 134

FORESTRY

- Class 660. Forest geography: maps, statistics and general literature. Geographical distribution of forests, of forest types and tree species. Botanical collections: seeds, bark, foliage, flowers, fruit, bark and wood sections.
- Class 661. Planting: equipment and processes for tree collection; nursery practice, field planting and field sowing.
- Class 662. Management and utilization: equipment and processes for protection from fire, insects and disease; organization of protective forces, ranger stations, trail and telephone systems. Logging methods and equipment; transportation of logs; systems of cutting.
- Class 663. Indirect uses of forests: watershed protection; effect on climate and public health; prevention of erosion and shifting sand; use for windbreaks, for recreation purposes and as refuge for game.

GROUP 135

FOREST PRODUCTS

- Class 664. Lumber: equipment and processes used in cutting logs into lumber; drying, dressing and grading of lumber. Lumber grading rules.
- Class 665. Saw-mill and planing-mill products from re-manufacture of lumber: furniture woods, wagon stock, cooperage, boxes, pickets, shingles, doors, etc. Veneering and veneer-cutting machinery.
- Class 666. Forest by-products: tan bark and extract, naval stores, oils and distillates, charcoal, cork, dye woods, medicinal and textile barks, kiln dried wood, wood fuels, wood wool.

DEPARTMENT H—AGRICULTURE

UNITED STATES

Farm Equipment, Food Products, Beverages, Forestry, See Classification.

GROUP 114

FARM EQUIPMENT AND METHODS OF IMPROVING LANDS

American Rolling Mill Co., Middletown, O. Min. Pal., 7th St. bet. Avs. C & D. Rust-resisting Armco Pure Iron Roofing, and Siding, Conductor Pipe, Silos and Cribs.

Am. Sheet & Tin Plate Co., Pittsburgh, Pa. Roof. prod. & Mod. Farm. Av. D, Min. Pal.

Am. Steel & Wire Co., Cleveland, O. Wire fencing. Working Exh. Live Stock Dept.

Armco Iron Culvert Manufacturers Association, Middletown, Ohio. Irrigation Gates and Pipe; Lennon Metal Flumes. Min. Pal., 7th St., bet. Avs. C & D.

Armstrong Cork & Insulation Co., Pittsburgh, Pa. Cork Brick installed in Dairy Bldg., Live Stock Dept.

Bacon Co., Edw. R., S. F. Cal. Col. Exh. Irrigation Mach. Mch. Pal., 4th & 5th, Avs. C & D.

Cambria Steel Co., Philadelphia, Pa. Fencing. Trans. Pal., 3rd St. & Court of Honor Boulevard. Panels of Field and Poultry Fence.

Champion Mfg. Co., Cedar Rapids, Ia. Farm Gates. Working Exh. Live Stock Dept.

Columbia Steel Tank Co., Kansas City, Mo. Farm Utilities. Silo. Av. A & 3rd St.

De Laval Dairy Supply Co., San Francisco, Cal. Exhibit 3rd St., bet. Avs. A & B. Ideal green feed silo. Workg. Exh. Liv. Stk. Dept.

Edwards, E. H. Co., S. F. Poultry Fence. Working Exhibit Live Stock Dept.

International Harvester Company of America, Chicago, U. S. A. 4th St. bet. Avs. B & C. Plans and Models of Farm Buildings, etc.

Iron Clad Silo Co., Portland, Ore. Silo. Working Exhibit Live Stock Dept.

James Manufacturing Co., Port Atkinson, Wis. 3rd St. bet. Avs. A & B. De Laval Dairy Supply Co., San Francisco agents. Barn equipment, stalls, stanchions and carriers. Working exhibit Live Stock Dept.

Maytag Co., The, Newton, Ia. Automatic Waterers. Wkg. Exh. Live Stock Dept.

McClure Lumber Co., Saginaw, Mich. Silo. Working Exhibit Live Stock Dept.

Nevada, State of. Model Dairy Farm. Av. A, bet. 9th & 10th Sts.

Newman, I. M. Hwms. Kansas. Draining Device. 2nd St. bet. Avs. A & B.

Norwich Automatic Feeder Co., New London, Conn. Stock Feeders. Live Stock Dept.

Pacific Tank & Pipe Co., San Francisco, Cal. Pacific Redwood and Fir Plin Silos. Working Exhibit in Live Stock Dept. Irrigation Wood Pipe and Tanks. Min. Pal., 6th St., bet. Avs. A & B.

Pawling & Harnischfeger Co., Milwaukee, Wis. Mch. Pal., 4th & 5th Sts., bet. Avs. C & D. Drainage Machinery Equipment.

Pittsburgh Steel Company, Pittsburgh, Pa. Wire Fencing. Live Stock Dept. Working Exhibit of Wire Fencing. Stock and Poultry Proof Construction; Ornamental Wire Fencing for yard and garden; Manufacturers of "Pittsburgh Perfect Fencing."

Redwood Manufacturers Company, San Francisco. Farm Equipment. 15,000 gallon "Remco" Redwood Tank in operation; "Remco" Machine Banded Redwood Stave Pipe in operation; Miniature "Remco" Redwood Tank & Tower; Sections of "Remco" Pipe, Machine Banded & Continuous Stave. Installed in Block 38 Machinery Pal. Farm Equipment. Two 16x36-foot "Remco" Redwood Stave Silos. (Located at Dairy Barns opposite Stock Barns, in actual use.) Work'g Exh. Live Stock Dept. Farm Equipment. Miniature Tank and Silo in Contra Costa County Exhibit.

Rock Island Mfg. Co., Rock Island, Ill. Live Stk. Waterers. Wkg. Exh. Live Stk. Dept.

Santa Cruz Portland Cement Co., S. F., Cal. Concrete Silo. Working Exhibit, Live Stock Dept.

Scarfe, G. E., Nevada City, Cal. Irrigation Water Meter. Mch. Pal., 5th St. & Av. E.

Siphon Ventilator Co., Little Rock, Ark. Ventilators. Av. A & 3rd St.

Spratt's Patent, Ltd., Newark, N. J. Kennel Furniture. Fd. Pr. Pal., 5th St., bet. Avs. D & E.

U. S. Steel Corp'n. & Subsid. Cos., New York. Col. Iron & Steel Exh. Min. Pal., Av. D.

Wood Bros. Silo & Mfg. Co., Lincoln, Neb. Silo Working Exhibit Live Stock Dept.

GROUP 115

AGRICULTURAL IMPLEMENTS AND FARM MACHINERY

American Seeding-Machine Co., The, Richmond, Ind. Grain drills, corn planters, seed drills, cotton planters. Av. C, cor. 4th St.

Associated Manufacturers' Co., Waterloo, Ia. Gasoline engines. Av. B, cor. 2nd St.

Atkins, E. C., & Co., Indianapolis, Ind. Beet, Corn and Cane Knives, Grass Hooks. Mfr. Pal., 5th St. bet. Avs. C & D.

Bean Spray Pump Co., San Jose, Cal. Centrifugal Pumps. Under northwest dome, Hort. Palace. Internal Combustion Engines. Spraying Equipment. Also at Lansing, Mich.

- Bessemer Gas Engine Co.,** Grove City, Pa. Machinery Palace, 4th St., bet. Aves. D & E. Kerosene Motors for farms. Gas and Kerosene engines. Mch. Pal., 4th St., bet. Aves. D & E.
- Best Gas Traction Company,** C. L., Oakland, Cal. Gas traction engines. Av. B bet. 3rd & 4th Sts. Round wheel self-laying track types. Steel castings, carbon chrome, nickel and manganese.
- Cambria Steel Co.,** Philadelphia, Pa. Tools. Trns. Pal., 3rd St. & Court of Honor Boulevard. Wall Panels of Rake Teeth, Potato Digger Tines, Drag Harrow and Weeder Teeth, Spring Harrow and Cultivator Teeth, Shovels and Points. Wagon Tongue Supports and Special Springs. Cabinet of Harrow and Plow Disks, Coulter Blades and Implement Seat.
- Carnegie Steel Co.,** Pittsburgh, Pa. Cotton Ties. Col. Iron & Steel Exh. Min. Pal., Av. D.
- Daiston, H. & Sons, Inc.,** Philadelphia, Pa. Agricul. knives. Mfr. Pal., Av. C, cor. 6th St.
- Doak Gas Engine Co.,** Oakland, Cal. Internal Combustion Motors. Mch. Pal.
- Fairbanks-Morse Co.,** San Francisco. Scales. Working Exhibit in all Palaces and in Live Stock Dept. Also 20-ton Scale in Service at Warehouse No. 4. 15-ton Scale at Stock Corral, 10-ton Scale at Horse Barn No. 4. 4-ton Scale at Silos 1, 2, 3 and 4. Office and Salesroom, 651 Mission St.
- Famous Water Elevator Co.,** Denver, Colo. Irrigation device. 1st St., bet. Aves. A & B. Water elevator for irrigation purposes.
- Farquhar, A. B. & Co., Ltd.,** York, Pa. Agricultural implements. Av. A & 3d St.
- Graton & Knight Manufacturing Co.,** Worcester, Mass. Harvester Straps. Block 13, Palace of Machinery.
- Griffin & Day Co.,** San Francisco, Cal. Rope making machine. Av. A, cor. 1st St.
- Hart Grain Weigher Co.,** Peoria, Ill. Grain Weigher. Av. A & 3rd St.
- Hercules Powder Company,** San Francisco, Cal. Stump Pullers. Min. Pal., Av. B & 7th St. Explosives for stump blasting and tree pulling. Earth Augers, Subsoiling Bars.
- Hog Motor Company,** Minneapolis, Minn. Stock feeding machine. Agr. outside space.
- Holt Manufacturing Company, The,** Stockton, Cal. Manufacturers. Aves. A & B, bet. 4th & 6th Sts. Caterpillar farm and military tractors, Caterpillar wagons, Caterpillar harvesters; combined harvesters and threshers; land levelers and scrapers; horse and engine plows, disc and moldboard; disc and tooth harrows; sage brush plows.
- Hyde, Henry C. Company,** San Francisco, Cal. Farm Lighting Machinery. Block 37, Machinery Hall.
- International Harvester Company of America,** Chicago, U. S. A. 4th St. bet. Aves. B & C. Plows, Rakes, Rollers, Harrows, Rod Crushers, Stalk Cutters, Stalk Rakes, Manure Spreaders, Corn Planters, Seed Drills, Cotton Planters, Grain Drills, Broadcast Seeders, Walking Cultivators, Riding Cultivators, Reapers, Tedders, Mowers, Corn Harvesters, Combined Reapers and Threshers, Threshing Machinery, Corn Shellers, Binder Twine, Headers, Feed Cutters, Feed Grinders, Hay Baling Machinery, Pumps, Water Lifting Apparatus, Engines and Tractors.
- Invincible Grain Cleaner Co.,** Silver Creek, N. Y. Grain Cleaning Machines. Mch. Pal.
- Jensen, C. J.,** Preston, Idaho. Beet Digger and Topper. Av. A bet. 8th & 9th Sts.
- Junior Monarch Hay Press Co.,** San Leandro, Cal. Hay Press, etc. 1st St., bet. Aves. C & D.
- Lauson Mfg. Co.,** John, New Holstein, Wis. Exhibit 3rd St., bet. Ave. A & B. De Laval Dairy Supply Co., San Francisco agents. Gasoline, kerosene and distillate engines.
- Leighton, J. A.,** Crowley, La. Sanitary Cisterns. Agr., outside space.
- Busnak, A. D.,** Philadelphia, Pa. Potato digging machine. Av. A & 2nd St.
- Sanders, Newell, Plow Co.,** Chattanooga, Tenn. Plows. Av. B, cor. 2nd St.
- Sigurd, C. G.,** San Jose, Cal. Weed cutter and mulcher. Av. A & 2nd St.
- Simonds Mfg. Co.,** Fitchburg, Mass. Cane Knives. Mfr. Pal., 6th St., bet. Ave. C & D.
- Smalley Manufacturing Co.,** Manitowoc, Wis. Ensilage cutter. Av. B, cor. 2nd St.
- South Bend Chilled Plow Co.,** South Bend, Ind. Plows. Av. B, cor. 1st St. Agricultural implements, plows, cultivators, planters, etc. Special attention given to making of special styles for export.
- Spalding Robbins Disc Plow Co.,** San Francisco, Cal. Disc Plows. 1st St. bet. Aves. A & B.
- Sperry Flour Co.,** S. F., Cal. Stock foods. Fd. Pr. Pal., Aves. C & D, bet. 2nd & 3rd Sts.
- Standard Gas Engine Co.,** S. F. Gasoline engines. Mch. Pal., Aves. E & F, bet. 1st & 2nd.
- U. S. Steel Corp'n. & Subsid. Cos.,** New York. Collective exhibit. Min. Pal., Av. D.
- Viking Pump Co.,** The, Cedar Falls, Ia. 3rd St., bet. Aves. A & B. Rotary pumps. De Laval Dairy Supply Co., San Francisco agents.
- Warren Axe & Tool Co.,** Warren, Pa., U.S.A. Axes and edged tools. Av. A, cor. 1st St. Axes and logging tools of all kinds.
- Whitaker Mfg. Co.,** The, Chicago, Ill. Harvesting Implements. V. I. Pal., Av. A & 3rd St.
- Yuba Construction Co.,** San Francisco, Cal. Ball Tread Tractors. 1st St. & Av. C.

GROUP 116

FERTILIZERS

- Western Soil Bacteria Co.,** San Francisco, Cal. Nitrogen Fixing Bacteria. Av. A and 1st St.

GROUP 117

TOBACCO CULTURE; RAW MATERIAL IN STALK, LEAF AND SEED

- Indiana, State of.** Collective Exhibit of Tobacco. Av. B, bet. 9th and 10th Sts.
- Kansas, State of.** Collective Exhibit of Tobacco. Av. C, cor. 5th St.
- Louisiana, State of.** Collective exhibit of tobacco. Aves. B & C, bet. 8th & 10th Sts.
- Massachusetts, State of.** Collective Exhibit of Tobacco. 10th St., bet. Aves. B & C.
- Missouri, State of.** Collective Exhibit of Tobacco. Av. C, bet. 4th and 5th Sts.
- New York, State of.** Collective Exhibit of Tobacco. Av. B, bet. 4th & 5th Sts.
- Ohio, State of.** Collective Exhibit of Tobacco. Av. B, bet. 5th and 6th Sts.
- Virginia, State of.** Tobacco exhibit. Av. A & 8th St.
- Wisconsin, State of.** Collective Exhibit of Tobacco. Av. A, bet. 6th and 7th Sts.

GROUP 118

APPLIANCES AND METHODS USED IN
AGRICULTURAL INDUSTRIES

- Bean Spray Pump Co.**, Lansing, Mich. Spraying Equipment. Under northwest dome, Hort. Palace. Internal Combustion Engines. Centrifugal Pumps. Also at San Jose, Cal.
- Buck Box & Crate Co.**, Eugene, Ore. Egg Crates. Av. A cor. 2nd St.
- Field Force Pump Company**, Elmira, N. Y. Traction Potato and Vegetable Sprayers. Hort. Pal., 7th St., cor. Av. A.
- Jordan & Chapman Mfg. Co., Inc.**, Staunton, Va. Poultry trap nests. Wkg. Exh. Live Stock Dept.
- Lo-Glo Electric Incubator Co.**, N. Y. Electric incubators. Mch. Pal., 1st St. & Av. D.
- Marland, W. J.**, Oakland, Cal. Col. exh. Elec. incubators. Mch. Pal., 1st St. & Av. D.
- Nevada, State of.** Garden crops, photographs of dairy farms, etc. Av. A, bet. 9th & 10th.
- Norwich Automatic Feeder Co.**, New London, Conn. Poultry Hoppers. Live Stk. Dept.
- Rock Island Mfg. Co.**, Rock Island, Ill. Poultry waterers. Wkg. Exh. Live Stk. Dept.
- Sperry Flour Co.**, S. F., Cal. Poultry foods. Pd. Pr. Pal., Avs. C & D, bet. 2d & 3d Sts.
- Spratt's Patent, Ltd.**, Newark, N. J. Poultry foods & appliances. Pd. Pr. Pal., 5th St., bet. Avs. D & E.
- Standard Electric Incubator Co.**, N. Y. Electric Incubators. Mch. Pal., 1st St. & Av. D.
- Victor Incubator Co.**, Decoto, Cal. Incubators and brooders. Av. A & 10th St.
- Wallace Egg Carrier Co.**, San Francisco, Cal. Egg Carrier Device. Av. A cor. 2nd St.
- Wells, John T. Jr., Paterson, N. J.** Poultry Appliances. Poultry Barn. Lv. Stk. Dept.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

- Barrett Mfg. Co.**, Frankford, Phil. Fertilizing results. Min. Pal., 7th St., bet. Avs. B & C.
- Illinois, State of.** Methods and Products of Experiment Stations. Av. C, bet. 4th & 5th Sts.
- International Harvester Company of America**, Chicago, U. S. A. Agr. Pal., 4th St., bet. Avs. B & C. Charts depicting changes in farming and development of farm machines and implements, methods and products of experiment stations. Societies, Agricultural Communities and Associations.
- Louisiana, State of.** Collective exhibit of maps, soil, samples, charts, etc. Avs. B & C, bet. 8th & 10th Sts.
- Massachusetts, State of.** Exhibit of Agric. Charts, etc. 10th St., bet. Avs. B & C.
- Nevada, State of.** Agricultural Experiments. Maps, etc. Av. A, bet. 9th & 10th Sts.
- Wisconsin, State of.** Products of Experiment Station. Av. A, bet. 6th & 7th Sts.

GROUP 120

VEGETABLE FOOD PRODUCTS AND
AGRICULTURAL SEEDS

- Arkansas, State of.** Collective Exh. Agricultural Products. Av. B, cor. 5th St.
- Dickinson, The Albert Co.**, Chicago, Ill. Agricultural seeds. Av. A, cor. 2nd St.

- Idaho, State of.** Collective exhibit of agricultural products. Avs. B & C, bet. 6th & 7th.
- Illinois, State of.** Collective agricultural exh. of grains & grasses. Av. C, bet. 4th & 5th.
- Indiana, State of.** Collective Exhibit Agric. Products. Av. B, bet. 9th and 10th Sts.
- Iowa, State of.** Collective Exhibit Agric. Products. Av. C, cor. 5th St.
- Kansas, State of.** Collective exh. of cereals, grasses, etc. Av. C, bet. 5th & 6th Sts.
- Louisiana, State of.** Collective exh. of grains and grasses. Avs. B & C, bet. 8th & 10th Sts.
- Montana, State of.** Collective exh. of agricultural products. Avs. A & B, bet. 8th & 9th.
- Massachusetts, State of.** Collective Exhibit Agric. Products. 10th St., bet. Avs. B & C.
- Missouri, State of.** Collective Exhibit Agric. Products. Av. C, bet. 4th and 5th Sts.
- Morse & Co.**, O. C., S. F., Cal. Vegetables, Seeds, Hort. Pal., 4th St., cor. Av. D.
- New York, State of.** Collective Exhibit of Agric. Products. Av. B, bet. 4th and 5th Sts.
- Nevada, State of.** Collective exh. of agricultural products. Av. A, bet. 9th & 10th Sts.
- Ohio, State of.** Collective Exhibit Agric. Products. Av. B, bet. 5th and 6th Sts.
- Oregon, State of.** Collective exh. of agricultural products. Av. D, bet. 4th & 6th Sts.
- South Dakota, State of.** Collective Exh. Agr. Products. Av. B & 10th St.
- Virginia, State of.** Agricultural exhibit of grains and grasses. Av. A & 8th St.
- Washington, State of.** Collective Exhibit Agric. Products. Av. A, bet. 6th and 7th Sts.
- Wisconsin, State of.** Collective exh. of agricultural products. Av. A, bet. 6th & 7th Sts.

GROUP 122

ANIMAL FOOD PRODUCTS

- Associated Manufacturers Co.**, Waterloo, Iowa. Hand Cream Separators. Av. B, cor. 2nd St.
- Burrell, D. H. Co.**, Little Falls, N. Y. Electric Cream Separators, Churns. Mfr. Pal., Av. B & 8th St.
- "Calf-Way" Milker Co.**, Chicago, Ill. Milking Machines. Av. B, cor. 1st St.
- Creamery Package Mfg. Co.**, Chicago, Ill. Dairy Equipment. Mfr. Pal., Av. B & 8th St.
- Davis Milk Mach. Co.**, N. Chicago, Ill. Dairy Equipment. 2d St., bet. Avs. A & B.
- De Laval Separator Co.**, The, New York, N. Y. 3rd St., bet. Avs. A & B. Farm and factory sizes of: De Laval Cream Separators. De Laval Milk Clarifiers. De Laval Milking Machine. De Laval Emulsor. Ideal Sanitary Cream Coolers. De Laval Dairy Supply Co., San Francisco agents.
- De Laval Dairy Supply Co.**, San Francisco, Cal. Exhibit. 3rd St., bet. Avs. A & B. Dairy Supplies & Equipments. Ideal Sanitary Cream Cooler.
- Ford, The, J. B. Co.**, Wyandotte, Mich. Dairy Equipment. Av. A cor. 3d St. Cleaning Specialities for every use.
- Green, F. H.**, San Francisco, Cal. Dairy Utensil Cleaner and Sterilizer. Av. A & 2d St.
- Harris, Arthur & Co.**, Chicago. Milk Evap. apparatus. Pac. Coast Cond. Milk Co. Pav.
- Hinman Milking Machine Co.**, Oneida, N. Y. Milking Machines. 2d St., bet. Avs. A & B.
- Idaho, State of.** Collective exhibit of cheese. Agr. Pal., Avs. B & C, bet. 6th & 7th Sts.

International Harvester Company of America, Chicago, U. S. A. 4th St., bet. Aves. B & C. Dairy Fittings and Appliances. Cream Separators, including all fittings and appliances for the separation, preservation and transportation of milk.

Mehring, Wm. M., Keymar, Md. Milking Machines. Av. A & 2nd St.

National Enameling & Stamping Co., Milwaukee, Wis. Dairy Appliances. Mfr. 8th St. & Av. C.

Perfection Electric Milker Co., San Francisco, Cal. Milking Machine. Av. A & 2nd St.

Skidd, The Chas. Mfg. Co., Chicago. Milk Cooler. Pac. Coast Cond. Milk Co.'s Pav.

Taylor Bros. Churn & Mfg. Co., St. Louis, Mo. Electric Churns. Mfr. Pal., Av. B & 8th St.

Westinghouse Electric & Manufacturing Company, Pittsburg, Pa. Chocolate Warmers. Nursery Milk Warmers. 2nd St. & Av. C2.

Whitney, F. E., Boston, Mass. Electric Ice Cream Freezer. Mfr. Pal., Av. B & 8th St.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Louisiana, State of. Collective exhibit of cotton and fibre crops. Aves. B & C, bet. 8th & 10th Sts.

Massachusetts, State of. Collective Exhibit of Inedible Agric. Products. 10th St., bet. Aves. B & C.

New York, State of. Collective Exhibit of Inedible Agric. Products. Av. B, bet. 4th and 5th Sts.

Nevada, State of. Collective exhibit of wool and cotton. Av. A, bet. 9th & 10th Sts.

Ohio, State of. Collective Exhibit of Inedible Agric. Products. Av. B, bet. 5th and 6th Sts.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Buhach Prod. Mfg. Co., Stockton, Cal. Insect Powder. Av. C & 9th St.

General Purification Co., Madison, Wis. Farm disinfectant. Av. A & 2nd St.

GROUP 134

FORESTRY

Atkins, E. C., & Co., Indianapolis, Ind. Barker & Chamfer Knives, Grab Hooks, etc. Mfr. Pal., 5th St. bet. Aves. C & D.

Bacon Co., Ed. E., S. F., Cal. Collective Exhibit Logging Blocks & Hooks. Mch. Pal., 4th & 5th Sts., Aves. C & D.

Clyde Iron Works, Duluth, U. S. A. Logging Machinery. Exhibit installed in Palace of Machinery. 5th St. & Av. H.

Massachusetts, State of. Exhibit of Forestry Equipment. 10th St. bet. Aves. B & C.

New York, State of. Collective Exhibit of Forestry Methods. Av. B, bet. 4th and 5th Sts.

Ohio, State of. Collective Exhibit of Forest Products. Av. B, bet. 5th & 6th Sts.

Simonds Mfg. Co., Fitchburg, Mass. Logging Tools. Mfr. Pal., 6th St., bet. Aves. C & D.

Smith & Watson Iron Works, Portland, Ore. Logging Sled. Mch. Pal., Av. C2 bet. 4th & 5th Sts.

Warren Axe & Tool Company, Warren, Pa. Axes & Logging Tools. Av. A, cor. 1st St. Cant hooks, chains, and edged tools.

Washington, State of. Forestry Photos, Nap-etc. Av. A, bet. 6th & 7th Sts.

Young, C. J., Iron Works, Seattle, Wash. Machinery Pal., 4th & 5th Sts., bet. Aves. C & D. Logging Blocks and Equipment.

GROUP 135

FOREST PRODUCTS

Albion Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Atkins, E. C., & Co., Indianapolis, Ind. Saws and Machine Knives for Saw Mill Equipment. Mfr. Pal., 5th St. bet. Aves. C & D.

Bayside Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

California Barrel Company, San Francisco, Cal. General Cooperage. Av. C, cor. 4th St. Manufacturers and Exporters of Barrels, Kegs, Kits and Pails of all sizes for Dry or Liquid Products. Also High Grade Shooks made from North American Pacific Coast Hard Douglas Fir.

California Redwood Association, S. F., Cal. Lumber. Home of Redwood. Display of finished lumber in Bldg. in Horticultural Gardens, by the Ass'n and Humboldt, for Mendocino and Sonoma Counties.

California Sugar & White Pine Co., S. F., Cal. Finished Lumber in Bldg. in Hort. Gardens.

Caspar Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Davis Hardwood Co., San Francisco, Cal. Philippine Forest Products. Av. D & 1st St.

Disston, Henry & Sons, Inc., Phil., Pa. Lumbering Saws. Mfr. Pal., Av. C, cor. 6th St.

Dolbeer-Carson Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Eel River Valley Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Elk River Mill & Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Glen-Blair Redwood Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Hammond Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Hobbs, Wall & Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Holmes Eureka Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Irvine-Muir Lumber Co., Willits, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Little River Redwood Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Louisiana, State of. Collective exhibit of forest products. Aves. B & C, bet. 8th & 10th Sts.

Lumbermans Bldg & House of Hoo Hoo. Mfg. Lumber Products. Hort. Gardens.

McKay & Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Mendocino Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Metropolitan Redwood Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

Navarro Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

- New York, State of. Exhibit of Forest Products. Av. B, bet. 4th and 5th Sts.
- Northern Redwood Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.
- Northwestern Redwood Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.
- Pacific Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens. Varied Industries Building, 1st St., Av. D, 2nd St., Av. E.
- Red River Lumber Co., The, Westwood, Cal. Lumber Products. Hort. Gardens.
- Simonds Mfg. Co., Fitchburg, Mass. Saws for Lumber Mills. Mfr. Pal., 6th, bet. Avs. C&D.
- Singer Sewing Machine Company, New York. N. Y. Woods for Veneering. Veneering laminated woods and finishing of same as expressed in sewing machine cabinet work. Varied Industries Building, 1st St., Av. D, 2nd St., Av. E.
- Stewart Bros. Co., Portland. Ore. Logging Blocks. Av. A & 1st St.
- Sumner Iron Works, Everett, Wash. Saw Mill Equip. Mch. Pal., Av. A & 4th St.
- Union Lumber Co., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.
- Washington, State of. Collective Exhibit of mfg. lumber products. Av. A, bet. 6th & 7th.
- West Coast Lumber Mfr's Assn., Tacoma, Wash. Finished Lumber in Hort. Gardens.
- White Lumber Co., L. E., San Francisco, Cal. Mfg. Lumber. Bldg. in Hort. Gardens.

UNITED STATES

ARKANSAS

Location: Av. B, bet. 5th & 6th Sts.

GROUP 117

TOBACCO

- Ethridge, B. W.—Hope. Leaf Tobacco.
- Hass, J.—Conway. Leaf Tobacco.
- Howe Lumber Co.—Wabash. Leaf Tobacco.
- Parlin, J. W.—Conway. Leaf Tobacco.
- Tuglie, C. M.—Boonville. Leaf Tobacco.
- Vickery, W. C.—Vanville. Leaf Tobacco.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

- Arkansas State Commission—Little Rock. Forage, Grasses, Seeds.
- Altman, F. W.—Jonesboro. Oats.
- Ardemego, J.—Monticello. Rice.
- Cassell, H. F.—Azark. Forage.
- Corn Club Boys' of Arkansas. Corn.
- Fletcher, W. P.—Lonoke. Rice.
- Gayer, J. H.—Greenwood. Forage Plants.
- Gayer, J. H.—Greenwood. Corn.
- Greer, Ben. F.—Fayetteville. Grain and Seeds.
- Halter, L. E.—Conway. Forage Plants.
- Halter, L. E.—Conway. Peas, Beans and Seeds.
- Halter, L. E.—Conway. Grain.
- Howard, L. E.—Blytheville. Corn.
- Moore, F.—Hot Springs. Forage Plants.
- Moore, F.—Hot Springs. Grain.
- Millsap, A. D.—Farmington. Wheat.
- Perry County Coll. Ex. Forage Plants.
- Pye, Geo. C.—Little Rock. Corn.
- Phillips, B. G.—Wyman. Corn.
- Oneal, M. P.—Hope. Forage Plants.
- Roberts, W. G.—Wyman. Corn.
- Vickery, W. C.—Vanville. Forage Plants.
- Wakefield, J. C.—Osark. Forage Plants.
- Wakefield, J. C.—Osark. Grain.
- Wakefield, J. C.—Osark. Peas, Beans, etc.
- Washington County Coll. Ex. Forage Plants.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

- Bell, Hugh—Washburn. Cotton.
- Bell, Hugh—Washburn. Cotton Seed.
- Davis, Oliver—Greenwood Road. Cotton.
- Dillard, Lena—Greenwood Road. Cotton.
- Gayer, J. H.—Greenwood. Cotton Seed.
- Jones, Fay—Sebastian. Cotton.
- Leonard, E. C.—Little Rock. Cotton.
- Moore, Lucy—Lavoan. Cotton Bolls.
- Marina Cotton Oil Mill—Marina. Cotton Seed Products.
- Rice, Claude—Little Rock. Cotton.
- Smith, Jesse—Vannville. Cotton Bolls.
- United Oil Mills—Hope. Cotton Seed Product.
- Wakefield, J. C.—Osark. Cotton Seed.
- Woolsey, Jesse—Hackett. Cotton.

GROUP 135

FOREST PRODUCTS

- Ivory Handle Co.—Hope. Tool Handles.
- Owosso Manufacturing Co.—Benton. Screen Doors and Packing Crates.
- The J. H. Hamlen & Son Co.—Little Rock. Cooperage.
- Yell County Exhibit. Forestry Products.

CALIFORNIA

Location: Avs. B & C, bet. 4th & 5th Sts.

GROUP 116

FERTILIZERS

Alameda County

- Pacific Grain & Fertilizer Co. Fertilizer.

GROUP 118

APPLIANCES AND METHODS USED IN AGRICULTURAL INDUSTRIES

Alameda County

- Orr, S. F. Poultry Appliances.
- Wilson's Incubator & Breeder Co. Incubator and Breeder.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

Alameda County

Alameda County. Agricultural Soils.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Alameda County

Bruxzoni Bros. & Co. Fresh Green Onions. Carrots, French Carrots, Turnips, Lettuce, Parsley, Cabbage.

Bruxzoni Bros. & Co. Collective Exhibit of Early Fresh Vegetables.

Caldwell, Mr.

California Nursery Co., Inc. Collective Exhibit of Fresh Vegetables.

Hall, E. W. Collective Exhibit of Grains.

Mohr, H. P. Collective Exhibit of Grains.

Schonone & Co. Agricultural Products.

Spring Valley Water Co. Agricultural Products.

Valuga & Co., P. Fresh Vegetables.

Kern County

Blackburn, Mr. Collective Exhibit of Early Fresh Vegetables.

Brickley Bros. Field Corn.

Caldwell, Mr. Currant Tomatoes.

Carpenter, Mrs. Horse Radish.

Children's Garden Beardsley. Collective Exhibit of Early Fresh Vegetables.

Colomen, Mr. Collective Exhibit of Early Fresh Vegetables.

Crider, W. T. Bayou Beans.

Derucho, J. Collective Exhibit of Early Fresh Vegetables.

Hitchcock, W. W. Alfalfa.

Kern County Land Co. Milo Maize.

McFarland, P. J. Alfalfa.

Parmenter, O. L. Feteritta.

Roberts, E. Egyptian Corn.

Rooks, W. J. Egyptian Wheat.

Snell, W. E. Sorghum.

Stapp, Mrs. Currant Tomatoes.

Yon Ming. Exhibit Early Fresh Vegetables.

Los Angeles County

Wagner's Nurseries. Rhubarb.

Monterey County

Monterey County. Agricultural Products.

Napa County

Alexander, W. F. Agricultural Products.

Beagle, John. Club Wheat.

Hansen, Hans. Blue Stem Wheat

Nichols, Pete. Black Oats

San Diego County

Southern California Panama Exposition's Commission on Model Farm. Collective Exhibit of Early Fresh Vegetables.

San Francisco County

Horst Co., E. Clemens. Agricultural Products.

Santa Clara County

Beans, Wm. Black Oats.

Santa Clara County. Barley.

Siskiyou County

Avilla, Jos. Bayou Beans.

Gosta, J. A. Oats.

King, John. Pink-eye Beans.

Langer, A. Oats.

Matthewson, E. E. Pink-eye Beans.

Sedros, John. Field Corn.

Siskiyou County. Agricultural Products.

Souza, George. Alfalfa Root.

Solano County

Dixon Alfalfa Mill Co. Alfalfa Meals.

Solano County. Agricultural Products.

Thomas & Ettinger. Beans.

Sonoma County

Brush, F. A. Varieties of Oats.

Hanson, Peter. Grain in Sheaf.

Rand, C. E. Varieties of Corn.

Roaf Bros. Cereals.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

Monterey County

Monterey County. Sea Mosses.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Alameda County

California Cotton Mills. Cotton.

Colusa County

Pryor, F. B. Short Staple Unginned Cotton

Imperial County

Atkins, Miss Mary. Cotton.

Atkins, S. H. Bolls Ginned and Unginned Cotton.

Clark, H. H. Cotton Bolls.

Compton, Wayne H. Cotton Boll.

Cotton Growers' Association. Egyptian Cotton.

Daly, Thos. P. Egyptian Cotton.

Houghton & Simpson. Ginned Cotton.

Ivy Bros. Cotton.

McCall, T. D. Cotton.

McDonald, B. F. Short Staple Cotton.

Pacific Cotton Co. Cotton; Crude Cotton Seed Oil and Salad Oil.

Reed, H. S. Cotton.

Wiest, D. W. Cotton.

Willsie, W. E. Ginned and Unginned Cotton

Kern County

Irish, John P. Cotton.

Schlichter, C. E. Hemp.

Los Angeles County

Cawston Ostrich Farm. Ostrich Feathers.

Madera County

Levertan, Miss Ofie. Cotton.

Merced

Schockley, Solomon

Riverside County

Paul, W. L. Cotton Bolls.

Suits, C. L. Unginned Cotton.

San Francisco County

Horst Co., E. Clemens. Hops.

Swickard, Ella. Cotton Thread.

Solano County

Thomas & Ettlinger. Hemp and Straw.

Sonoma County

Brush, F. A. Wool.

Wasserman, Milton. Hops.

Stanislaus County

Rutherford, A. L. Cotton Bolls and Seeded Cotton.

GROUP 135**FOREST PRODUCTS**

Alameda County. Collective Exhibit of California Woods.

California State Exhibit. Lumber from the Counties of Sutter, Yolo, Shasta, Siskiyou, Solano, Napa, Sonoma, Mendocino, Humboldt, San Mateo, Santa Clara, Alameda, Santa Cruz, Monterey, Kern, Tulare, Lassen.

Eglibert, W. D. Collective Exhibit of California Woods.

Humboldt County. Collective Exhibit of California Woods.

Lassen County. Collective Exhibit of California Woods.

Mendocino County. Collective Exhibit of California Woods.

Monterey County. Collective Exhibit of California Woods.

Santa Clara County. Collective Exhibit of California Woods.

San Diego County Southern California Panama-Pacific Exposition's Commission. Collective Exhibit of California Woods.

San Joaquin Counties Association. Lumber from Stanislaus, Kings, Madera, Merced, San Joaquin and Calaveras.

Siskiyou County. Collective Exhibit of California Woods.

Sonoma County. Collective Exhibit of California Woods.

Southern California Exposition Commission. Lumber from Los Angeles, San Bernardino, Orange, Riverside, San Diego, Ventura and Imperial Counties.

IDAHO

Location: Aves. B & C, bet. 6th & 7th Sts.

GROUP 120**VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS**

Aberdeen Expt. Station—Aberdeen. Wheat.

Adams, A.—Jullietta. Wheat.

Ainscough, Wm.—Preston. Barley, Oats.

Allen, Brent, Teton.—Timothy.

Allen, J. H. Seed Co.—St. Anthony. Wheat.

Alrod, M. A.—Mapleton. Oats.

Anderson, C. B.—Caldwell. Oats.

Anderson, J. G.—Winchester. Alfalfa, Grass.

Anson, R. E.—Cambridge. Barley, Wheat.

7—Moscow. Timothy,

Austin, A. S.—Twin Falls. Potatoes.

Babb, D. T.—Rock Flat. Grass.

Balbach, Wm.—New Meadows. Alfalfa, Oats.

Ballinger, Ansell—Fruitland. Corn.

Ballinger, Amsey—Fruitland. Corn.

Barrenger, T. C.—Weiser. Corn.

Barnhill, E. W.—Rock Flat. Oats.

Bartholomew, J. A.—Parma. Rye.

Barclay, A. L.—Cambridge. Oats.

Beasley, J. H.—Idaho Falls. Oats, Potatoes.

Beck, E. A.—Twin Falls. Potatoes, Wheat.

Bice, G. W.—Twin Falls. Wheat.

Beaty, Sam—Kimberly. Wheat.

Blunk, L. A.—Murphy. Corn.

Berrier, G. W.—Athol. Grain.

Bonwell, M.—Curry. Potatoes.

Boone, A. C.—Twin Falls. Potatoes.

Brown—New Meadows. Peas.

Buhl, Leslie—Cambridge. Wheat.

Busch, G. W.—Midvale. Wheat.

Busk, A.—Athol. Wheat.

Burroughs, Chas.—Athol. Wheat.

Bullock, J. H.—Pocatello. Wheat.

Buckle, J.—Hayden Lake. Wheat.

Bubb, Fred—Belmont. Timothy.

Burnett, H.—Idaho Falls. Potatoes.

Butler, Wm.—Twin Falls. Potatoes.

Buel, W. O.—Filer. Potatoes.

Burton, O. C.—Richfield. Oats.

Bubb, C. W.—New Meadows. Alfalfa.

Buckhalter, C. S.—Kimberly. Barley.

Bussling, Mrs.—Payette. Barley, Oats, Wheat.

Butterfield Live Stock Co.—Weiser. Corn.

Callert, E. J.—Twin Falls. Wheat.

Campbell, C.—New Meadows. Wheat.

Campbell, O. H.—Bonners Ferry. Potatoes.

Chamberlin, F. E.—Twin Falls. Potatoes.

Cheek, Wm.—Kimberly. Potatoes.

Church, B. E.—Richfield. Grain.

Costello, J.—Twin Falls. Potatoes.

Craig, Mt. Lumber Co.—Winchester. Barley.

Davis, A. A.—Twin Falls. Potatoes.

Day, W. E.—Greenleaf. Corn.

Dailey, J.—Oakley. Wheat.

Dewey, J. C.—Emmett. Corn.

Dewey, H. E.—Emmett. Corn.

Donnon, D.—Weiser. Corn.

Dove, B.—Richfield. Wheat.

Dunham, J. W.—Cambridge. Wheat.

Dunnaway, J. H.—Twin Falls. Potatoes.

Durfee, J. F.—Filer. Potatoes.

Duster, C.—Moscow. Oats, Wheat.

Eckley Ranch—Winchester. Wheat.

Edgerton, E. L.—Emmett. Corn.

Engle, D.—Richfield. Alfalfa, Wheat.

Engle, J.—Richfield. Wheat.

Erhart, G. A.—Filer. Potatoes.

Erwin, T.—Twin Falls. Barley, Clover.

Fargo Farmers' Club—Fargo. Alfalfa Seed.

Ferrel, E.—Weiser. Oats.

Fike, F.—Nes Perce. Wheat.

Fitzpatrick, J.—Bonners Ferry. Potatoes.

Fletcher, J.—Richfield. Wheat.

- Foster & Co.—Richfield. Oats.
 French, Permeal—Richfield. Oats.
 Frohm, Wm.—Star. Corn.
 Gamage, C. L.—Emmett. Fetireta.
 Gambel, S.—Twin Falls. Oats.
 Gearhart, W.—Star. Corn, Potatoes.
 Gilbert, C. F.—Homedale. Clover.
 Gilden, J. S.—Cambridge. Barley.
 Gilmore, W. B.—Payette. Potatoes.
 Glenn, S. P.—Boise. Oats.
 Gooding Experiment Station—Gooding. Oats.
 Gordon, N.—Payette. Wheat.
 Gorron, J. F.—Cambridge. Barley.
 Green, Jos. A.—Richfield. Oats.
 Hackett, T.—Athol. Alfalfa.
 Hammond, C. C.—Parma. Corn.
 Hanson, Jas. B.—Tetonia. Clover.
 Harding, P. M.—Nez Perce. Clover.
 Hark, J.—Twin Falls. Potatoes.
 Hardin, W. F.—Kimberly. Wheat.
 Haskin, F. S.—Aberdeen. Barley.
 Hawarth, C.—Star. Corn, Potatoes.
 Hawks, Wm.—Preston. Oats, Potatoes.
 Hayes, B. F.—Twin Falls. Clover.
 Hazel, J. Kimberly. Wheat.
 Heck, F. New Meadows. Clover.
 Henry, J. J. Twin Falls. Potatoes.
 Heron, J.—Twin Falls. Potatoes.
 Hewitt, J. F.—Athol. Corn.
 Hewitt, D. J.—Winchester. Barley, Oats.
 Hibner, W. E.—Preston. Oats.
 Hills, A. Filer. Potatoes.
 Horner, Wm.—Twin Falls. Potatoes.
 Hoops, G. S. Richfield. Oats.
 Hoover, Walter Nez Perce. Oats, Wheat.
 Hughes, James Twin Falls. Potatoes.
 Idaho Insane Asylum—Blackfoot. Clover.
 Idaho Industrial Training School St. Anthony. Oats, Potatoes, Corn.
 Ireland, H. A. Caldwell. Corn.
 Irwin, T. E. Wheat.
 Jackey, W. A. Twin Falls. Potatoes.
 Jackson, C. J. Parma. Corn, Wheat.
 Jacobson, A. Richfield. Wheat.
 Jacobson, R. Richfield. Wheat.
 Jacobs, T. F. Nez Perce. Barley, Wheat.
 Jagler, J. H. Coeur d'Alene. Oats, Wheat.
 James, Walter Bonners Ferry. Potatoes.
 Jinkens, T. B. Richfield. Barley.
 Johnson, A. A. Winchester. Clover, Oats.
 Johnson & Anderson—Winchester. Grain.
 Johnson, Chester A. Richfield. Alfalfa.
 Johnson, G. Richfield. Barley.
 Johnson, Ray Caldwell. Corn.
 Johnson, John P. Twin Falls. Potatoes.
 Johnson, Mark Richfield. Wheat.
 Johnson, Quiet Richfield. Barley, Timothy.
 Jones, D. Idaho Fall. Oats.
 Jones, J. W. Twin Falls. Potatoes.
 Keene, L. Moscow. Timothy.
 Keene, La Fayette—Kendrick. Oats, Wheat.
 Kent, A. J.—Bonners Ferry. Potatoes.
 Kent, M. L. Moscow. Wheat.
 Kern, Robt. & Matt—Wheat.
 Kincaid, Lewis—Ilo. Barley.
 Kingsbury, Percy—Twin Falls. Potatoes.
 Kissinger, J. B.—Viola. Alfalfa.
 Knutsen, A.—Harrison. Oats, Timothy.
 Knutsen Ranch—Harrison. Alfalfa, Clover.
 Laferty, Charley—Bonners Ferry. Potatoes.
 Larsen, John A.—Preston. Oats.
 Law, J. O.—Oakley. Potatoes.
 Leagers, A.—Wheat.
 Leger, Thos.—Midvale. Wheat.
 Leichter, J. B. & Sons—Twin Falls. Potatoes.
 Leslie, Henry—Star. Corn, Potatoes.
 Lewis, J. L.—Cambridge. Barley, Wheat.
 Lewis, L. L.—Cambridge. Barley.
 Lind, Vance—Twin Falls. Potatoes.
 Larkin, Eugene—Barley.
 Madsen, E. W.—Payette. Wheat.
 Macey, John—Wheat.
 Madsen, E. W.—Payette. Oats.
 Manthey, Robert J.—Nez Perce. Barley.
 Maples, Henry—Barley.
 Martin, Earl—Star. Potatoes.
 Martens, T. E.—American Falls. Wheat.
 Martin, Simon—Idaho Falls. Barley, Wheat.
 Mecommas, F. V.—Winchester. Grain, Vetch.
 Matheny, J. G.—Midvale. Wheat.
 McKnight, Wm.—American Falls. Wheat.
 McOmber, A. H.—Parma. Corn.
 McWalters, Jerome—Potatoes.
 Michewaites, M. W.—Twin Falls. Barley.
 Mesa Orchards—Mesa. Potatoes.
 Moji, W. F.—Athol. Oats.
 Mullens Ranch—Iona. Oats.
 Muller, Gus—American Falls. Wheat.
 Musser, H. E.—Filer. Potatoes.
 Nelson, S.—Barley, Wheat.
 Nelson, Warren T.—New Plymouth. Corn.
 Nicola, I. M.—Nampa. Wheat.
 Olsen, E.—Barley.
 Osborne, J. C.—Winchester. Clover.
 Parker, J. C.—Rye.
 Partiner, L. G.—Aberdeen. Potatoes.
 Parma Milling & Elevator Co.—Parma. Alfalfa, Clover.
 Paulson, C. O.—Richfield. Clover, Wheat.
 Payne, Chas.—Caldwell. Corn, Millet.
 Peckman Bros.—Wilder. Grain.
 Perrine, Chas.—Twin Falls. Peas.
 Peterson Bros.—Richfield. Wheat.
 Pierce, J. M.—Berger. Grain.
 Powell, Joe—New Meadow. Barley.
 Preston, C. H.—Churchill. Potatoes.
 Reagan, S. A.—Boise. Rye.
 Redman, D. Twin Falls. Barley, Beans.
 Redman, H. W. Twin Falls.
 Richards, T.—Wheat.
 Robinson, W. S.—Alfalfa, Clover.
 Root, M. L.—Athol. Alfalfa, Clover, Oats.
 Royston, Lafa—Fruitland. Corn.
 Rucker, Mrs. P & Son—Parma. Oats, Wheat.
 Sessions, J. W.—Richfield. Wheat.
 Shaw, James—Wai—

Shaw, S. D.—Twin Falls. Corn.
 Shaw, A.—Oats.
 Shubert, J. F.—Winchester. Rye.
 Simans, J. W.—Pocatello. Timothy.
 Smith, Andrew—Payette. Corn.
 Smith, Ray—Star. Corn, Potatoes.
 Snyder Farm—Twin Falls. Potatoes.
 Snyder, L. A.—Twin Falls. Potatoes.
 Snyder, A. J.—Springfield. Grain.
 Spainhower, Floyd—Fruitland. Corn, Oats.
 Sparks, Grant L.—Moscow. Wheat.
 Starr, W. S.—Twin Falls. Potatoes, Grain.
 Straun, Clarence—Fruitland. Corn.
 Streeker, C. A.—Antelope. Barley.
 Taylor, Joe—Idaho Falls. Oats, Potatoes.
 Taylor, W. C.—Richfield. Oats.
 Teton High School—Teton. Grain, Potatoes.
 Thomas, C. B.—Weiser. Corn.
 Thomas, Chas. F.—Nex Perce. Barley, Wheat.
 Thometz, M. A.—Twin Falls. Wheat.
 Thometz & Son—Twin Falls. Potatoes, Grain.
 Thompson, J. P.—Moscow. Wheat, Timothy.
 Tobey, C. A.—Twin Falls. Potatoes.
 Tobias, C. C.—Caldwell. Corn, Wheat.
 Twin Falls Expt. Station—Twin Falls. Wheat.
 Twin Falls High School—Twin Falls. Potatoes.
 Utah Idaho Sugar Co.—Idaho Falls. Oats.
 Vahlberg, David—Emmett. Corn.
 Vance, Harry—Twin Falls. Potatoes.
 Vystrcil, A. F.—Roberts. Grain, Potatoes.
 Wallen, Frank—Moscow. Oats.
 Ware, Frank—Idaho Falls. Oats.
 Walters, H. B.—Filler. Potatoes.
 Wells, E. H.—Alfalfa, Barley.
 Weiser Grain & Feed Co.—Weiser. Grain.
 White, Bob—Caldwell. Wheat.
 Whiffen, C. W.—Caldwell. Wheat.
 Whitting, J. H.—Wheat.
 Willey, H. K.—Springfield. Alfalfa.
 Wilson, Alex.—Boise. Corn.
 Williams Bros.—Barley.
 Wilson, Kirt—Kimberly. Potatoes.
 Wilson, J. T.—Blackfoot. Peas.
 Willis, J.—Wheat.
 Williams, M. J.—Athol. Rye.
 Winters, H. C.—Twin Falls. Potatoes.
 Winslow, Merle—Greenleaf. Corn.
 Winslow, W. J.—Greenleaf. Clover, Corn.
 Wones, M. A.—American Falls. Wheat.
 Woodward, Ivan—Franklin. Oats.
 Worthington, S. P.—Wheat.
 Wylie, A. H.—Aberdeen. Potatoes.
 Yost, Joe—Midvale. Wheat.
 Youkum, Hue—New Meadows. Oats.
 Young, C. W.—Payette. Oats.
 Young, C. W.—Fruitland. Corn.
 Young, Lambert—Fruitland. Corn.
 Young, L. L.—Nampa. Grain, Potatoes.

ILLINOIS

Location: Ave. C, bet. 4th & 5th Sts.

GROUP 110

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

American Manufacturers' Association of Products from Corn. Chicago. Complete Exhibit of Products made from Corn.

University of Illinois—Urbana. Methods and products of experiment station, laboratories.

GROUP 120

VEGETABLE FOOD PRODUCTS AND VEGETABLE SEEDS

Abbott, A. N.—Morrison. Corn.
 Alexander, E. E.—Charleston. Corn.
 Andrews, F.—Decatur. Corn.
 Ardell, Wm.—Champaign. Corn.
 Armstrong, A. A.—Leland. Corn.
 Armstrong, A. M.—Beason. Corn.
 Bensore, I. H.—Urbana. Corn.
 Berglund Bros.—Geneseo. Corn.
 Bolen, W. K.—Sullivan. Corn.
 Britton, W.—Lost Nation. Corn.
 Brown, F. O.—Waverly. Corn.
 Buchanan, E.—Roanoke. Corn.
 Dillman, C.—Lawrenceville. Corn.
 Dow, D. C.—Rockford. Corn.
 Dunseth, G. W.—Waverly. Corn.
 Dunseth, J. E.—Modesto. Corn.
 Egger, J. S.—Mackinaw. Corn.
 Ellsberry, L. K.—Geneseo. Corn.
 Foster, C.—Power Hill. Corn.
 Fox, W.—New Canton. Corn.
 Fulk, J.—Cerro Gordo. Corn.
 Gordon, G. H.—Urbana. Corn.
 Gordon, G. C.—Urbana. Corn.
 Gregor, F.—Alton. Corn.
 Griffith, W. G.—McNabb. Corn.
 Hagg, C.—Chadwick. Corn.
 Hagg, G.—Chadwick. Corn.
 Hayes, I. E.—Cerro Gordo. Corn.
 Hill, A. A.—Casner. Corn.
 Hill, B. F.—Decatur. Corn.
 Hill, B. E.—Decatur. Corn.
 Hersch, C. J.—Oreana. Corn.
 Hirsch, C. J.—Orleans. Corn.
 Homan, O.—Mattoon. Corn.
 Homan, A. F.—Mattoon. Corn.
 Houston, F.—Metcalf. Corn.
 Huff, E.—Champaign. Corn.
 Illinois, State of—Agricultural exhibit of grains and grasses.
 Illinois Corn Growers' Association—Complete agricultural exhibit of corn.
 Jackirch, F. H.—Boody. Corn.
 Joy, H. P.—Chapin. Corn.
 Kinnihan, J.—Illipolis. Corn.
 Lampher, C.—Humbolt. Corn.
 Lampher, F.—Humbolt. Corn.
 Martin, J.—Morrison. Corn.
 Monecky, W. E.—Cerro Gordo. Corn.
 Mills, W. B.—McNabb. Corn.
 Money, H.—Lexington. Corn.
 Moulton, O. E.—Cazenovia. Corn.
 Newcomber, M. P.—N. Henderson. Corn.
 Odell, W. H.—Champaign. Corn.
 Odell, W. H.—Philo. Corn.
 Odell, F.—Champaign. Corn.
 Passmore, C.—Prophetstown. Corn.
 Pech, H. C.—Atlanta. Corn.
 Phillips, H.—Cerro Gordo.

Powers, A. & Sons—Sterling. Corn.
 Rapp, J. M.—La Moille. Corn.
 Rapp, W. J.—San Jose. Corn.
 Rice, E.—Lostville. Corn.
 Russell, C. E.—Phelps. Corn.
 Sleil, H.—Plainfield. Corn.
 Smith, F. H.—Kansas. Corn.
 Smith, E.—Lintner. Corn.
 Sterenberg, J.—Fulton. Corn.
 Summer Bros.—Pekin. Oats.
 University of Illinois—Champaign. Complete agricultural exhibit of cereals.
 University of Illinois—Urbana. Corn.
 Vansore, I. H.—Urbana. Corn.
 Watkins, J. D.—Warrensburg. Corn.
 Webb, Wm.—Lockport. Corn.
 Whitaker, H.—Macon. Corn.
 Wilson, J. S.—Macon. Corn.
 Winegrower, J.—Decatur. Corn.
 Woolner Distilling Co.—Peoria. Complete Exhibit of Distillate Products made from Corn.
 Yardy Bros.—Roanoke. Corn.

INDIANA

Location: Ave. B, bet. 9th & 10th Sts.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

American Manufacturers Assn.—Chicago. Corn, wheat, oats, barley, beans.
 Brown, C. A.—Franklin. Corn.
 Byers, E. E.—Shadeland. Corn.
 Carter, M. M.—Greensburg. Corn.
 Carter, O. E.—Seymour. Corn.
 Constable, R. L.—Goodland. Oats.
 Donmoyer, B. W.—South Bend. Corn.
 Drybread, J. Walter—Edinburgh. Corn.
 Egnew, Arthur S.—Chrisney. Corn.
 Enmundson, L. W.—Balbek. Corn.
 Fitch, W. H.—Spades. Corn.
 Fisher, Eugene—La Grange. Grasses, grains.
 Gast, A. A.—Akron. Corn.
 Gleason, M. E.—Indianapolis. Grasses.
 Hahan, Louis—Spades. Sugar cane.
 Henry, W. B.—Winamac. Corn.
 Hollingsworth, P. O.—New Augusta. Broom corn, millet.
 Hudson, P. E.—Howe. Oats.
 Isley, Joseph C.—Flat Rock. Corn.
 Isley, Louis M.—Flat Rock. Corn.
 Jessup, Wallace—Friendswood. Corn.
 Johnson, B. E.—Dale. Wheat.
 Kerlin, Frank—Rockfield. Corn.
 Kerlin, G. L.—Franklin. Corn, wheat.
 Kerlin, J. W.—Rockfield. Corn, wheat.
 Kerlin & Snoeberger—Rockfield. Corn.
 Kerlin, W. F.—Rockfield. Corn.
 Livingston, Wm.—Worthington. Corn.
 Lux, Ed.—Shelbyville. Corn.
 Lux, John—Plainfield. Corn.
 Lux, Peter—Shelbyville. Corn.
 McKinney, Glenn—Wingate. Corn.
 McMullen, Gay—Idaville. Corn.

Moxingo, H.—Greensburg. Corn.
 Mundell, Jacob—Thorntown. Corn.
 Mundell, J. O.—Thorntown. Wheat.
 Mundell, M. A.—Rhoentown. Oats.
 Neff, Joseph—Marion. Corn.
 Orme, Hence—Greenwood. Corn.
 Pruitt, Chas. F.—Edinburg. Corn.
 Pruitt, A. W.—Edinburgh. Corn, wheat.
 Pruitt, M. D.—Edinburgh. Corn.
 Reddick, Albert—Arlington. Corn.
 Rodgers, Will—Edinburgh. Corn.
 Sanerman, Geo. J.—Crown Point. Grain, grasses.
 Short, Chas. S.—Greensburg. Corn.
 Sefton, Elmer—Greensburg. Corn.
 Smith, C. A.—Whiteland. Corn.
 Smith, E. E.—Franklin. Corn.
 Smiley, W. G.—Greensburg. Corn.
 Spangh, C. E.—Rugby. Pair Barred Rock Chickens.
 Steinbrook, Geo. E.—Shelbyville. Corn.
 Steinbrook, Everett—Franklin. Corn.
 Steinbrook, Geo. W.—Franklin. Corn.
 Steinbrook, James—Franklin. Corn.
 Stephens, Homer—La Fountaine. Oats.
 Steinbrook, E. L.—Edinburgh. Corn.
 Steinbrook, V. F.—Shelbyville. Corn.
 Stout, Ira—Sulphur Springs. Oats.
 Swain, W. O.—Arlington. Corn.
 Swallow, Mel.—Rockport. Corn.
 Swallow, Frank—Rockport. Corn.
 Thornburg, Ernest—Winchester. Grain.
 Tilson, Harry—Franklin. Corn.
 Troyer, A. F.—La Fountaine. Corn.
 Troyer, C. E.—La Fountaine. Corn.
 Tritch, Arthur J.—Corunna. Wheat, oats.
 Ulrey, W. J.—New Richmond. Corn.
 Vogler, L. A.—Hope. Corn.
 Vogler, L. A.—Hope. Corn.
 Vogler, L. M.—Hope. Corn.
 Wilson, John E.—Wingate. Corn.
 Wilson, John M.—Brown Valley. Corn.

IOWA

Location: Ave. C, bet. 4th & 5th Sts.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Bailey, A.—Ottumwa. Corn.
 Bakehouse, D. C.—Sigourney. Corn, oats, etc.
 Bell, J. W.—Underwood. Corn.
 Bennett, E.—Ames. Corn, oats.
 Bruns, A.—Sigourney. Corn.
 Bruns & Sons—Sigourney. Wheat, oats.
 Coverdale, B. E.—Maquoketa. Corn.
 Daggy, G.—Ankeney. Corn, oats.
 Fawcett, W. T.—Mt. Vernon. Corn.
 Felter, V.—De Soto. Corn.
 Gell, A.—Des Moines. Wheat.
 Glenney, E. B.—Union. Corn.
 Hethershaw, F.—Des Moines. Corn, wheat, etc.

Hetherahaw, J.—Des Moines. Sweet Potatoes.
 Imig, W. G.—Cedar. Corn.
 Justice, J.—Ankeney. Corn, oats.
 Kouba, T.—Blairtown. Oats.
 Kriser Bros.—Eddyville. Corn, oats.
 Kroeger, B.—Princetown. Corn.
 Lyons, W. F.—Hartford. Wheat, oats, etc.
 Malone, C. E.—Atlantic. Clover, millet, etc.
 Malone, R.—Atlantic. Clover, millet, etc.
 Mawdsley, J. M., & Son—Irvington. Corn.
 Maxwell, J. M., & Son—Crawfordsville. Corn, oats.
 McCulloch, F.—Hartwick. Corn, oats, etc.
 McKlery, F.—Crawfordsville. Corn.
 Neal Bros.—Mt. Vernon. Corn.
 Otcheck, G.—Grinnell. Corn, oats, etc.
 Otcheck, W. F.—Grinnell. Corn, oats, etc.
 Plows, W.—Charlton. Wheat, oats, etc.
 Polk, W. W.—Sidney. Corn.
 Robinson, H.—Des Moines. Sweet potatoes.
 Shetterly, S. A.—Hartford. Wheat, oats, etc.
 Smith, F.—Des Moines. Wheat.
 Snater, R.—Ackley. Oats.
 Trobridge, S. A.—Des Moines. Corn.
 Utterback, W.—Sigourney. Wheat, oats, etc.
 Zeller, I. G.—Cooper. Corn.
 Zeller, R.—Cooper. Corn.
 Zeller, W.—Cooper. Corn.

KANSAS

Location: Ave. C, cor. 5th St.

GROUP 117

TOBACCO

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Kansas, State of—Collective exhibit of the following counties, consisting of cereals, grasses, vegetables, roots and tubers, legumes, etc.:

Allen County.
 Barber County.
 Butler County.
 Clark County.
 Cowley County.
 Crawford County.
 Elk County.
 Ellis County.
 Ford County.
 Gray County.
 Harper County.
 Harvey County.
 Kingman County.
 Kiowa County.
 Lyons County.
 Mead County.
 Montgomery County.
 Morton County.
 Pawnee County.
 Pratt County.
 Reno County.
 Sedgwick County.

Biley County.
 Sedgwick County.
 Summer County.
 Experiment Station — Manhattan, Kan. Cereals.
 Abercrombie, N.—Mulvane. Feterita.
 Allworth, B. D.—Plainview. Wheat.
 Alexander, A. E.—Cimarron. Wheat.
 Almond, P. O.—South Haven. Sudan grass.
 Anderson, A. P.—Copeland. Wheat.
 Arnold, G.—Mulvane. Kaffir.
 Artwein, Ed.—Bucklin. Dwarf milo maize.
 Atwood, E. W.—Garden City. Milo maize.
 Bacon, J. E.—Ingalls. Milo maize.
 Ball, J. H.—Wichita. Corn.
 Balls, Jno.—Ingalls. Kaffir corn.
 Barton, S. E.—Cimarron. Corn.
 Bayless, Wm. T.—Cimarron. Milo maize and kaffir.
 Barber, Wm.—Anthony. Oats, alfalfa seed.
 Barber, Chas.—Anthony. Alfalfa seed.
 Baier, C.—Medicine Lodge. Kaffir.
 Bayer, T. J.—Yates Center. Corn.
 Bergner, Chas.—Pratt. Alfalfa seed.
 Berg, O. F.—Yuka. Wheat and rye.
 Bell, H. B.—Dodge City. Corn, kaffir, milo.
 Benson, F.—El Dorado. Silage.
 Bisagnia, G. A.—Rosalia. Milo maize.
 Blackburn, A. F.—Chanute. Corn.
 Blake, W. O.—Cimarron. Kaffir corn.
 Blink—Wellington. Wheat.
 Bolkin, S.—Wellington. Corn.
 Brandon, J.—Chanute. Corn.
 Brown, Clyde—Wichita. Peanuts.
 Brown, J. S.—Mulvane. Alfalfa, oats, corn.
 Brubaker, B.—Sawyer. Wheat.
 Brummit, B. C.—Wichita. Corn, peanuts.
 Brox, John—Atchison. Corn.
 Carson, C. I.—Ashton. Wheat.
 Chapin, L.—Wichita. Corn.
 Chappes, L.—Elkhart. Kaffir, feterita.
 Clover, B.—Cimarron. Oats.
 Cleaves, G. O.—Wichita. Wheat.
 Clouse, I. C.—Wellington. Feterita.
 Clark, P. A.—Maize. Corn.
 Coe, H. M.—Yates Center. Corn.
 Cox, B.—Plainview. Wheat.
 Courbot, F.—Cimarron. Milo, kaffir.
 Cooper, Wm.—Mulvane. Feterita.
 Condon, Wm.—Augusta. Kaffir.
 Crandle, J.—Pratt. Feterita, milo maize.
 Crabb, J. E.—Anthony. Rye.
 Crittenden, G. D.—South Haven. Feterita.
 Crittenden—South Haven. Wheat, peanuts.
 Cramer, W. E.—Wichita. Wheat.
 Davis, O. H.—Ingalls. Corn, milo maize.
 Davis, W.—Chanute. Corn.
 Darroughs, A.—Wichita. Corn.
 Diesem, I. L.—Garden City. Alfalfa, rye.
 Dick, S. W.—Wellington. Corn.
 Dewitt, Ruth—Wichita. Corn.
 Dobbs, M.—Oxford. Corn.
 Douglas, G.—Tribune. Feterita.
 Downing, W. H.—Garden City. 2

- Doyle, Wm.—Douglas. Feterita.
 Ebersole, Wm.—Elkhart. Feterita.
 Egbert, J. H.—Cimarron. Alfalfa, corn.
 Eis, C.—Rosalia. Kaffir.
 Ellis, J.—Liberty. Corn.
 Ernst, H.—Emporia. Corn.
 Estes, D.—Plainview. Kaffir.
 Ewertz, M.—Colwich. Wheat.
 Fellons, F.—Mulvane. Wheat, kaffir.
 Fenton, F. A.—Cimarron. Corn.
 Fergus, J. B.—Mildred. Corn, kaffir.
 Fenton, E. H.—Ingalls. Corn.
 Fessel, M. A.—Cimarron. Cane seed.
 Frank, C. F.—Wichita. Peanuts, alfalfa.
 Fry, J. A.—Wichita. Corn.
 Frost, E. M.—Lebanon. Corn.
 Gerber, H. J.—Elkhart. Corn.
 Gillespie, F. A.—Garden City. Wheat.
 Gould, W. H.—Willroads. Wheat in sheaf.
 Gould & Thompson—Dodge City. Sudan grass.
 Granfield, G. T.—Wichita. Corn, millet.
 Gresham, A. B.—Coneland. Kaffir, milo.
 Groniger, H.—Bendena. Corn.
 Groniger, H. F.—Bendena. Corn.
 Hall, C. G.—Rosalia. Feterita.
 Haffa, F. C.—Garden City. Kaffir, feterita.
 Hamilton, C. P.—Garden City. Kaffir, feterita.
 Harkroder, G. V.—Pratt. Wheat.
 Havercroft, T.—Dodge City. Kaffir.
 Hertline, C.—Pratt. Wheat, oats.
 Heming, A. C.—Bucklin. Kaffir.
 Hedstrom, L. J.—Dunak. Feterita, milo.
 Higgins, J. W.—Cimarron. Milo, maize.
 Hill, J. F.—Wichita. Rye.
 Hiser, W.—Anthony. Milo maize.
 Higginbotham, F.—El Dorado. Kaffir.
 Holmes, J. F.—Wellington. Kaffir.
 Holt, F. A.—Wichita. Kaffir.
 Hoover, W. C.—Wichita. Rye, bale alfalfa.
 Hornbeck, F. C.—Chanute. Corn.
 House, Page—Wichita. Corn.
 Huffman, L. V.—Garden City. Kaffir, feterita.
 Humble, H. B.—Sawyer. Wheat, barley.
 Hyde, C. F.—Wichita. Corn.
 Hunt, W. J.—Tribune. Milo.
 Jackson, G. K.—Eureka. Corn, kaffir.
 Jacobs, C.—Emporia. Corn.
 Jantz, J.—Copeland. Kaffir, feterita corn.
 Jewell, G.—Tribune. Feterita.
 Johnson, A. L.—Pratt. Kaffir.
 Johnson, V.—Emporia. Corn.
 Johns, R.—Emporia. Corn.
 Johns, D. F.—Cimarron. Corn.
 Jones, S.—Wichita. Alfalfa.
 Joy, Wm.—Cave. Millet, kaffir.
 Kendall, J. E.—Ingalls. Red kaffir, milo.
 Kessler, J. M.—Maize. Feterita, alfalfa.
 Kinkard, C.—Dodge City. Corn.
 Kissinger, I. W.—Cimarron. Corn.
 Krams, H.—Cheney. Feterita.
 Krueger, H. C.—Cimarron. Corn, feterita.
 Kufus, F.—South Haven. Corn.
 Lanier, O. H.—Douglas. Corn.
 Lamar, J.—Douglas. Corn.
 Lewis, T. E.—Elkhart. Kaffir.
 Liebbers, P. A.—Cimarron. Barley.
 Leming, K.—Dodge City. Feterita.
 Lembach, E. C.—Erie. Oats.
 Liggett Bros.—Dodge City. Red oats.
 Littlefield, P. M.—Wichita. Feterita.
 Lord, F.—Dodge City. Wheat, oats.
 Longstreth, M. L.—Towanda. Kaffir.
 Lunt, C. C.—Cullison. Barley, oats.
 Lyon, Geo.—Emporia. Corn.
 Marshall, A. A.—Medicine Lodge. Milo maize.
 Macy, E. J.—Independence. Wheat, corn, kaffir.
 Manhattan College—Manhattan. Wheat, oats.
 Martinson, O. E.—Wichita. Corn.
 Maxwell, W. H.—Winfield. Feterita.
 Miller, A.—Anthony. Kaffir.
 Milliken, F. H.—Dodge City. Corn, kaffir, milo maize.
 Meyer, B.—Anthony. Wheat.
 Measer, A.—Hutchinson. Grasses.
 Means, C.—Wichita. Silage.
 Miller, G. W.—Cimarron. Kaffir.
 Miller, P.—Cimarron. Corn, alfalfa.
 Minet, J.—Ingalls. Corn.
 Morgan, J. T.—Wichita. Corn.
 Mountz, C. K.—Wichita. Alfalfa seed, grains.
 Moran, C. F.—Maize. Oats, wheat, corn.
 Murdock, Wm.—Girard. Corn.
 Myers, B. D.—Wichita. Wheat.
 Myers, B.—Anthony. Alfalfa seed.
 Myers, E. L.—Haysville. Alfalfa seed.
 Myers, I. P.—Haysville. Alfalfa seed.
 Myers, T. F.—Haysville. Alfalfa seed.
 McDermott, F.—Cimarron. Wheat.
 McGivre, Wm.—Pratt. Oats.
 McDonald, E.—Cimarron. Feterita.
 Narfor, C. A.—Cimarron. Kaffir, feterita.
 Nelson, A. G.—Chanute. Corn.
 Neville, S. D.—Maize. Kaffir, alfalfa seed.
 Newindum, H. H.—Hanover. Corn.
 Nicklin, J.—Emporia. Corn.
 Nininger, J. A.—Nickerson. Corn.
 Nugent, C. K.—Cave. Kaffir, feterita.
 Ott & Sons, J.—Wichita. Silage, corn.
 Palmer, C. S.—Valley Center. Feterita.
 Palmer, Ed.—Emporia. Corn.
 Patterson, L.—Leon. Feterita.
 Payne, J.—Mulvane. Kaffir.
 Pfester, G.—Coffeeville. Alfalfa sheaf.
 Pepkin, C. D.—Pratt. Kaffir.
 Pickard, D. L.—Elkhart. Broom corn, cane seed.
 Pipping, Wm.—El Dorado. Kaffir.
 Poore, L.—Yuka. Corn.
 Poponoe, H. L.—Emporia. Corn, kaffir, alfalfa.
 Pray, C. V.—Wichita. Corn.
 Price, J. G.—Douglas. Kaffir seed.
 Ball, W. H.—Elkhart. Kaffir.
 Rabourns, W.—Emporia. Corn.
 Rees, A.—Cave. Kaffir.
 Reschke, F.—Pratt. Feterita, kaffir.

Reece, W. V.—Oxford. Wheat.
 Roberts, A.—Emporia. Corn.
 Roffer, J. T.—Tribune. Feterita.
 Rule, E. S.—Sharon. Feterita.
 Russell, E.—Wichita. Grasses.
 Rutt, J.—Elkhart. Kaffir.
 Russell, C. F.—Wichita. Corn.
 Rush & Lewis—Chanute. Corn.
 Ruthrauff, B. E.—South Haven. Corn.
 Scott, C. H.—Wichita. Rye, seed alfalfa.
 Schamp, W. E.—Portland. Kaffir.
 Schall, T. J.—Dodge City. Wheat.
 Scantlin, T.—Chanute. Corn.
 Schule, L.—Mulvane. Kaffir.
 Servie, Wm.—Leon. Kaffir.
 Seymour, J. B.—Cimarron. Corn.
 Sevier, D. O.—Norton. Wheat.
 Simpson, J. E.—Wellington. Feterita.
 Shetterly, A. L.—Pratt. Corn.
 Shaver, S. H.—Wichita. Wheat.
 Shomp, J.—Mulvane. Corn.
 Sherman, J. O.—El Dorado. Milo.
 Simpson, J.—Tribune. Feterita.
 Simpson, A.—Tribune. Feterita.
 Smith, J.—El Dorado. Corn.
 Smith, J. C.—Elkhart. Cane seed.
 Snyder, J. B.—Cimarron. Corn.
 Somers, L. A.—Wichita. Oats, corn, kaffir.
 Spiker, D.—Emporia. Corn.
 Stillman, E. B.—Elkhart. Kaffir, milo maize.
 Stanley, H. W.—Wichita. Peanuts.
 Stone, H. G.—Winfield. Alfalfa seed.
 South, J. J.—Dodge City. Kaffir.
 Stout, R.—Medicine Lodge. Corn.
 Stony, Q. J.—Mulvane. Corn.
 Strobble, J.—Yuka. Wheat.
 Stuckley, F.—Wichita. Oats, corn, etc.
 Stuckley, J. F.—Wichita. Corn.
 Sumpter, F. M.—Argonia. Corn.
 Sumpter, F. M.—Mulvane. Corn.
 Taylor, G. W.—Wichita. Corn.
 Thomas, E. W.—Cimarron. Corn, milo.
 Thayer, A. S.—Elkhart. Feterita.
 Toms, W.—Emporia. Corn.
 Towles, A. E.—Garden City. Alfalfa, grain, etc.
 Van Mater, J. M.—Ingalls. Kaffir.
 Vath—Cimarron. Corn.
 Watkins, W. E.—Iola. Grain, alfalfa, etc.
 Wey, R. K.—Wichita. Alfalfa seed.
 White, A.—Chanute. Corn.
 Whitel, G.—Mulvane. Red kaffir.
 Whitmore, B.—Emporia. Corn.
 Whitney, O. K.—Wichita. Corn.
 Wilkerson, C. W.—Cimarron. Kaffir, corn.
 Wilkenson, L.—Dodge City. Kaffir, milo maize.
 Wicker, K.—Emporia. Corn.
 Williams, O. B.—Cimarron. Wheat.
 Williams, T. E.—Valley Center. Corn.
 Wilson, E. G.—Anthony. Rye.
 Wilson, M. F.—Medicine Lodge. Corn.
 Wilson, R.—Wichita. Corn, popcorn.
 W. & A.—Wichita. Corn.
 W. G.—Cimarron. Milo maize.

Woaly, N.—Anthony. Peanuts.
 Wright, H.—Hutchinson. Corn, wheat, peas.
 Youngmeyer, A. H.—Wichita. Wheat, alfalfa seed.
 Ziekle, C. I.—Garden City. Alfalfa seed.

LOUISIANA

Location: Aves. B & C, bet. 8th & 10th Sts.

GROUP 117

TOBACCO

Louisiana Perique Growers Assn.—Lutcher. Tobacco and Mfg. Products.
 Robinson, M. F.—Arizona. Leaf Tobacco.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

Louisiana Agricultural Experimental Stations—Baton Rouge. Results of Agricultural Experiments.

Louisiana Livestock Sanitary Board—Baton Rouge. Results of work shown by Charts, etc.

Louisiana State Museum—New Orleans. Agricultural Soil Samples.

Louisiana Meadows Co.—Raceland. Agricultural Soil Samples.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Abbott, W. C.—Stonewall. Hay, corn.
 Avard, S.—Shreveport. Hay.
 Anderson, I.—Florin. Corn.
 Adams, I. M.—Grand Isle. Cauliflowers.
 Barnes, G.—Arizona. Corn.
 Bateman, M.—Franklinton. Corn.
 Beasley, O.—Linnville. Corn.
 Beckham, J. L.—Franklinton.
 Belanger, J. H.—Houma. Hay, oats, corn, rice, sugar cane.
 Boisont, J. H.—Benton. Corn.
 Boudreaux, N.—Gibson. Corn.
 Burt, E. S.—Benton. Corn, hay, sugar cane, potatoes.
 Cain, H. E.—Leesville. Corn.
 Clayton, J.—Baton Rouge. Potatoes, oats, corn.
 Connell, W. P.—Baton Rouge. Oats.
 Crow, M. J.—Linnville. Corn.
 D'Abadie—New Roads. Sugar cane.
 Davis, W. E.—Minden. Corn.
 Dean, L. L.—Montgomery. Corn.
 Decur, T.—Hermitage. Corn.
 Denham, G. O.—Baton Rouge. Corn.
 Duhon, A.—Broussard. Corn.
 Dupuy, Edw.—Marksville. Corn.
 Eubanks, J.—Minden. Corn.
 Fowler, T.—Hico. Corn.
 Gandy, H.—Homer. Corn.
 Garig, G. W.—Baton Rouge. Sugar cane, rice.
 Genesee Lumber Co.—Genesee. Oats, rice.
 Gibbons, J. T.—New Orleans. Mixed cattle food, hay.
 Hale, I. L.—Linnville. Corn.

Heckford, T. S.—Ruston. Soy beans, hay, corn.
 Hess, A.—Bordelonville. Corn.
 Hogan, I. E.—Choudrant. Soy beans, hay, corn.
 Kaiser, H.—Innis. Corn.
 Kerch, A.—Benton. Corn.
 Laborde, S.—Marksville. Corn.
 Laborde, E. M.—Marksville. Corn.
 Louisiana State Rice Milling Co.—New Orleans. Rice.
 Louisiana Meadows Co.—Raceland. Corn, potatoes.
 Lowe, J.—Plain Dealing. Hay, corn.
 Major, G.—Lincoln. Corn.
 Mayeux, C.—Marksville. Corn.
 Melancon, M.—Baton Rouge. Sugar cane.
 Miller, G.—Monroe. Oats, soy beans, hay.
 Miller, F.—Mt. Herman. Corn.
 Monkhouse, J.—Jewella. Corn.
 Moore, Mrs. B. S.—Monroe. Corn.
 Morgan Co., M.—New Orleans. Mixed cattle food.
 Neff, A.—Hermitage. Corn.
 Norman, E. P.—Rayville. Corn.
 Odom, G. A.—Many. Soy beans, hay, corn.
 Perry, C. N.—Bastrop. Oats.
 Perry, C. B.—Bastrop. Rice, soy beans, hay.
 Perry, C. V.—Bastrop. Corn.
 Riley, A. H.—Floumoy. Hay, corn.
 Roak, J. B.—Leesville. Soy beans, hay, corn.
 Robinson, I.—Arizona. Rice.
 Robinson, M. R.—Arizona. Oats, corn.
 Sandlin, R.—Hattman. Corn.
 Scott, A. J.—Greenwood. Corn.
 Seaboard Refining Co.—New Orleans. Cotton seed oil.
 Southern Cotton Oil Co.—New Orleans. Cotton seed oil and products.
 Southport Mills—New Orleans. Cotton seed meal.
 Somier, D.—Jennings. Corn.
 Smith, H. B.—Choudrant. Hay, corn.
 Turner, J. H.—Minden. Hay, sugar, cane, corn, potatoes.
 Turner, W.—Minden. Corn.
 Trappy, B.—Hico. Corn.
 Wade, J. W.—Choudrant. Corn.
 Wardlaw, Z. J.—Coushatta. Corn.
 Young, E. L.—Ridessa. Corn.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Abbott, W. C.—Stonewall. Cotton.
 Boisant, J. H.—Benton. Cotton.
 Burt, E. S.—Benton. Cotton.
 Glenk, R.—New Orleans. Fibres.
 Heckford, F. S.—Ruston. Cotton.
 Lowe, J.—Plain Dealing. Cotton.
 New Orleans Cotton Exchange—New Orleans. Cotton.
 Norman, E. P.—Rayville. Cotton.
 Odom, G. A.—Many. Cotton.
 Robinson, M. R.—Arizona. Cotton.
 Scott, A. J.—Greenwood. Cotton.
 Smith, H. B.—Choudrant. Cotton.

Thompson, W. B., & Co.—New Orleans. Cotton.
 Wade, J. W.—Choudrant. Cotton.

GROUP 135

FOREST PRODUCTS

Anchor Saw Mill Co.—Kenner. Oars.
 Baxter Lumber Co.—Gossage. Lumber.
 Bienvenue Lumber Co.—Baton Rouge. Lumber.
 Burton-Swartz Cypress Co.—Burton. Cypress lumber.
 Carrollton Excelsior Co.—New Orleans. Excelsior.
 Ferriday Hoop Co.—Ferriday. Hoops.
 Great Southern Lumber Co.—Bogalusa. Pine lumber and by-products.
 Herlihy & Brown—Denham Springs. Oars.
 Junk & Co., M.—Ferriday. Lumber.
 Lutch Moore Cypress Co.—Lutcher. Cypress lumber.
 Patent Marketing Co.—New Orleans. Folding crates.
 Stern Moss Ginnery, S.—New Orleans. Prepared Spanish moss.
 Tobias, J.—Donaldville. Moss collars.
 Union Naval Stores Co.—New Orleans. Turpentine.

MASSACHUSETTS

Location: 9th St., bet. Ave. B & C.

GROUP 117

TOBACCO

Byron, James—Hadley. Tobacco.
 Cuban Connecticut Tobacco Co.—Feeding Hills. Tobacco.
 McGrath, Thos. W.—Northampton. Tobacco.
 Massachusetts State Board of Agriculture—Illustrations of Tobacco Culture.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

State of Mass. Board of Agriculture—Agricultural Charts.
 State Highway Commission—Boston, Mass. Agricultural Transportation Facilities.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Wheeler, W.—Concord. Indian corn.

GROUP 134

FORESTRY

Massachusetts State Forester's Department—Equipment and processes for protection from fire, insects and diseases. Tree planting, nursery practice, logging methods, etc., shown by pictures.

MISSOURI

Location: Ave. C, cor. 6th St.

GROUP 117

TOBACCO

Cunningham, J. A.—Caruthersville. Tobacco.
 Gose, D. G.—Spickard. Tobacco.
 Henry County.—Tobacco.

Mingee, J.—Weston. Tobacco.
 Nolan, M.—Weston. Tobacco.
 Pepper, James—Weston. Tobacco.
 Swainson, P.—Navada. Tobacco.
 Thorp & Burns—Weston. Tobacco.
 Weston Loose Leaf Tobacco Co.—Weston. Tobacco.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Bailey, E. B.—Princeton. Millet, corn.
 Baumgartner, S.—Pierce City. Wheat, rye and oats.
 Brummett, Chas.—Princeton. Kaffir corn.
 Burks, J. E.—Larussel. Corn.
 Casteel, O. C.—Princeton. Corn.
 Casteel Bros.—Princeton. Corn.
 Clark, J. E.—Pierce City. Wheat, millet.
 Connell, J. L.—Bowers Mill. Corn.
 Cunningham, J. A.—Caruthersville. Sorghum, alfalfa.
 Davis, E.—Princeton. Corn.
 Darr, H. P.—Sikeston. Oats, rye, timothy, vetch and barley.
 Duncan, Jas. H.—Mercer. Rice, corn.
 Grove, Chas.—Princeton. Corn.
 Hannah, Geo.—Blocklow. Corn.
 Hellerman, A.—Washington. Corn.
 Henry Co.—Clinton. Grasses.
 Henry County—Agricultural exhibit of grains and grasses.
 Homan, Ray—Eastman. Corn.
 Huber, A. J.—Perryville. Corn.
 Hughes, E. L.—Glasgow. Corn.
 Hunter, J. S.—Savannah. Corn.
 Jordan, W. A.—Shelbina. Corn.
 Kaufman, E.—Princeton. Corn.
 Langman, H. W.—Elmont. Corn.
 Lase, Ray—Lucerne. Corn.
 Mahoney, B. J.—Dexter. Corn.
 Man & Baley—King City. Corn.
 McCoy, Bobt.—Clinton. Sweet clover.
 Michael, A. W.—Sarcozie. Corn.
 Michael, J. T.—Sarcozie. Corn.
 Miller, Mrs. Mabel—Osceola. Corn.
 Mulvaney, E.—Princeton. Corn.
 Nelson, O.—Freeman. Corn.
 Rank, Mrs. Ella—Alvord. Corn.
 Sanders, A. D.—Rea. Corn.
 Scott, D.—Humansville. Corn.
 Sims, W. L.—Bois d'Arc. Corn.
 Smith, Chris—Bunceton. Corn, wheat, millet, blue grass, red clover, orchard grass.
 Smith, Raymond—Bunceton. Corn.
 Smith, Sherman—Princeton. Broom corn.
 Steinert, J. A.—Battlefield. Corn.
 Stewart Prod. Co.—Springfield. Corn.
 Todden, J. W.—Princeton. Corn.
 Tucker, E.—Perryville. Corn.
 Wylla, T. H.—Chaffee. Corn.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Aldridge, Edgar—Caruthersville. Cotton.
 Byars, M. T.—Caruthersville. Cotton.
 Cunningham, Frank, Jr.—Caruthersville. Cotton.
 Smith, S.—Princeton. Broom corn.

MONTANA

Location: Aves. A & B, bet. 8th & 9th Sts

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Allard, Joseph—Ignatius. Oats.
 Allen, C. W.—Big Timber. Peas.
 Applebury, C.—Corvallis. Wheat.
 Applebury, James—Corvallis. Wheat.
 Applegate, A. L.—Deer Lodge. Wheat.
 Austin, C.—Duffy. Rye, wheat.
 Axtel, C. E.—Salesville. Bromus inermis.
 Bailey & Dorr—Hamilton. Oats, peas.
 Bair, James—White Sulphur Springs. Clover, alfalfa.
 Bair, M.—Helen. Hay.
 Baker, M. H.—Libby. Clover.
 Barnes, C. M.—Hamilton. Potatoes.
 Bartlett, J. D.—Simms. Wheat.
 Bartlett, J. D.—Troy. Clover.
 Beck, John—Bozeman. Wheat.
 Beck & Smith—Bozeman. Wheat.
 Beckwith, George—St. Ignatius. Flax.
 Big Hole Stockmen Assn.—Wisdom. Hay.
 Billings Polytechnic Institute—Billings. Beans, millet, corn.
 Bennett, James—Warm Springs. Timothy.
 Benninger, Wm.—Anaconda. Timothy. Clover, alfalfa.
 Bisson, Wm.—Missoula. Wheat.
 Blakesly, S. F.—White Sulphur Springs. Alfalfa.
 Bohart, W. O.—Bozeman. Blue grass.
 Bohn, H. O.—Warm Springs. Oats.
 Bolin, C. F.—Rosebud. Wheat, oats.
 Boon & Manlove—Anaconda. Timothy.
 Bowman, A. H.—Hardin. Timothy.
 Bowman, H.—Deer Lodge. Oats.
 Burch, G. F.—St. Ignatius. Wheat.
 Burns, A. H.—Libby. Timothy.
 Briggs, H.—Victor. Wheat.
 Buckhouse, H.—Missoula. Barley.
 Burch, B. E.—Belgrade. Barley.
 Carney, Pat.—Waterloo. Clover, wheat, potatoes, alfalfa, native grasses.
 Carney, T. E.—Waterloo. Wheat.
 Cechlovsky, Jos.—Libby. Clover.
 Chamberlain, Jos.—White Sulphur Springs. Clover, timothy.
 Cheesman, E.—Three Forks. Wheat.
 Clark, J.—Chinook. Wheat.
 Cog Dell, Douglas—Whitehall. Rye.
 Collins, Rich.—White Sulphur Springs. Alfalfa.
 Cordry, Ed. Bozeman. Wheat.
 Cote, H.—Missoula. Wheat.
 Cottrell, Mrs. Ida—Florence. Potatoes.
 Crest, M.—Big Timber. Wheat.
 Cunningham, J. E.—St. Ignatius. Wheat, oats, barley.
 Cunningham, G. E.—St. Ignatius. Oats.
 Cunningham, N. G.—Stockett. Wheat.
 Daley, Elmer—Bynum. Flax, wheat.

- Daniels, Jr., D. C.—Canton. Wheat.
 Dart, Hugh—Dillon. Potatoes.
 Davis & Co.—Bozeman. Field & garden peas.
 Day, A. M.—Anaconda. Wheat, emmer, timothy.
 Delmo, Vincent—Whitehall. Clover, bromus inermis, timothy.
 Deschamps, E.—Missoula. Wheat.
 Deschamps, Tony—Missoula. Oats.
 Dike, J.—Manhattan. Barley.
 Dike, P.—Manhattan. Barley.
 Donohue, J. F.—Whitehall. Alfalfa, clover.
 Douglas, Bert—Rexford. Potatoes.
 Doyen, A.—Miles City. Wheat, millet.
 Doyle, J.—Boulder. Oats.
 Dyer, J. L.—Helena. Flax, clover, potatoes.
 Early, Noah—Lavina. Wheat.
 Eckhart, W. N.—Fort Benton. Wheat.
 Edinger, Carter—Dillon. Potatoes.
 Edinger, George—Dillon. Oats, wheat, barley.
 Eichorn, Jos.—Miles City. Timothy, clover.
 Eiker, E. E.—Huntley. Timothy, corn.
 Ekman, Ed. Rollins. Potatoes.
 Ellis, F.—White Sulphur Springs. Hay, timothy.
 Emmelcamp, Thos.—Manhattan. Barley.
 Fairweather, George—Deer Lodge. Clover.
 Ferguson, J. C.—Reiche. Potatoes.
 Farweather, G.—Anaconda. Timothy.
 Fisher, Robert—Deer Lodge. Oats.
 Fitter, Henry—Lima. Timothy.
 Flaherty, John—Cold Spring. Clover, timothy.
 Flaherty, Wm. H.—Cold Springs. Wheat, hay.
 Fleming, G. F.—Suffolk. Wheat.
 Fleming, Wm.—Bozeman. Timothy, clover.
 Flynn, J.—Missoula. Timothy.
 Fowlie, George—White Sulphur Springs. Wheat.
 Franklin, Charles—Wise River. Clover.
 Franklin, R. H.—Hardin. Millet.
 Fredericks, John—Libby. Alfalfa.
 French, A. J.—Helena. Wheat, oats.
 Garey, F. P.—Eureka. Barley.
 Gastnow, J. A.—Three Forks. Wheat.
 Gattis, Robert H.—Creston. Potatoes.
 Gault, W.—Whitehall. Rye.
 Gilbertson, H. M.—Kalispell. Wheat.
 Goodall, Charles W.—Park City. Wheat.
 Gordon, J. E.—Silver Star. Wheat, rye, flax.
 Gordon, J. H.—Silver Star. Flax, rye.
 Grady, J. A.—Terry. Potatoes.
 Grant Bros.—Salesville. Clover, alfalfa, wheat.
 Grenier, Jos. St. Ignatius. Oats, wheat.
 Gossett, Leonard—Libby. Oats.
 Gowen, J.—Bozeman. Wheat.
 Griffin, J.—Chinook. Timothy, millet, peas, etc.
 Hackman, Charles—Missoula. Wheat.
 Hallford, J. F.—Bozeman. Oats, wheat, clover.
 Hamel, Pete—Missoula. Wheat.
 Hamilton, Viola—Libby. Clover.
 Hampton, M.—White Sulphur Springs. Emmer.
 Hansen, C. A.—Eureka. Clover.
 Hardman, D. E.—Simms. Alfalfa.
 Harmon Bros.—Libby. Oats.
 Hartman, W. J.—Bozeman. Wheat.
 Haynes, O. G.—Miles City. Wheat.
 Haynes, Thos.—Creston. Alfalfa, vetch, potatoes, wheat.
 Henault, F.—Anaconda. Timothy.
 Herbst, A. C.—Libby. Timothy, clover, flax, orchard grass.
 Hines, L. E.—Bozeman. Timothy.
 Hinton, L.—Sims. Wheat.
 Hodgekiss Bros.—Choteau. Wheat.
 Hogan, Geo. E.—Bozeman. Timothy, clover, clover seed.
 Holman, M.—Dillon. Rye.
 Howard, B. F., Ranch—Libby. Wheat.
 Howell, C. S.—Townsend. Oats.
 Hunsecker, F.—Libby. Oats.
 Ingram, Mrs. D.—Dillon. Barley.
 Irwin, M. M.—Whitehall. Wheat.
 Jacobs, S. E.—Dayton. Rye.
 James, J. W.—Anaconda. Wheat.
 Jennings, L. D.—Salesville. Clover.
 Jergenson, Jas. A.—Whitehall. Alfalfa, clover, oats.
 Johnson, E. A.—Hamilton. Wheat.
 Johnson, Mrs.—Hamilton. Wheat.
 Jones, C. B.—Anaconda. Timothy.
 Jones, C. W.—Great Falls. Peas.
 Jones, D. E.—Anaconda. Grass.
 Jones, Mrs. J. O.—Bozeman. Oats.
 Jones, Orville—Bozeman. Wheat.
 Jones, Robert—Wisdom. Clover, blue grass, timothy, native grasses.
 Jurgenson, J.—Whitehall. Flax, wheat.
 Jones, W. C.—Wise River. Clover.
 Karman, F. W.—Saco. Potatoes.
 Keifer, John—Bozeman. Bromus inermis, blue grass.
 Kennison, John Dell. Timothy.
 Kirchner, Fred.—Lewistown. Wheat, oats, grasses, clover.
 Kirland, E. F.—Livingston. Garden pears.
 Kleinheessellink, D. J.—Big Timber. Timothy.
 Laffin, P.—Anaconda. Wheat, oats, timothy, hay.
 Lang, J. E.—Salesville. Timothy, blue grass.
 Langdorf, S. A.—Dillon. Oats.
 Larsen, M.—Boulder. Oats.
 Legerene, John—Helena. Wheat.
 Lewis, Mrs. J. K.—White Sulphur Springs. Oats, wheat.
 Lewis, G. A.—Bozeman. Clover, timothy.
 Lindsay, George St. Ignatius. Oats.
 Loasbey, J.—Big Timber. Wheat.
 Long, Clark R.—Carter. Wheat.
 Lounsbury, A.—Libby. Alfalfa.
 Lozeptic, P.—Anaconda. Timothy.
 Magee, Phil.—Lolo. Oats.
 Mangar, Rich.—White Sulphur Springs. Alfalfa, timothy.
 Manis, T. J.—Big Timber. Oats.
 Marks, E.—Clancy. Wheat.
 Martinell, E. M.—Dell. Clover.
 Martwell, E. M.—Dell. Hay.

- Matt, H.—Arles. Oats.
 Meany, W. M.—Plains. Wheat.
 Meloy, P. J.—Townsend. Wheat.
 Merrill, D. S.—Boulder. Barley.
 Miles, George—Bozeman. Timothy, barley.
 Miller & McCan.—Stacey. Oats.
 Miller, M. E.—Helena. String beans.
 Miller, U. S.—Hardin. Flax.
 Milne, E.—Big Timber. Potatoes.
 Monger, E.—White Sulphur Springs. Hay.
 Monforton, Ernest—Salesville. Wheat.
 Moore, Dall—Wise River. Clover.
 Myssle, C.—Reed Point. Flax.
 McDonald, Fred—White Sulphur Springs. Wheat.
 McDonnell, Ernest—Bozeman. Clover, timothy.
 McFayden, J. L.—Dillon. Wheat.
 McKenna, J. P.—Deer Lodge. Wheat.
 McNeill, H.—St. Ignatius. Wheat.
 McPherson, J.—Anaconda. Grass.
 Nash & Wassenaar—Bozeman. Barley.
 Nash, J. P.—Bozeman. Wheat, oats.
 Nash, J. P.—Clyde Park. Barley.
 Nash, T. T.—Bozeman. Wheat.
 Nelson, F.—Potomac. Timothy.
 Nelson, Theo.—Dillon. Oats.
 Newgard, Fred—Ronau. Potatoes.
 Norris, E. L.—Simms. Alfalfa, flax, wheat, barley.
 Olmstead, S.—Dillon. Wheat.
 Overstreet, E. W.—Salesville. Timothy.
 Packard, Dr. L. E.—Whitehall. Alfalfa.
 Palmer, Mrs. Chas.—Eureka. Potatoes.
 Parker, Thos.—Anaconda. Orchard grass, bromus inermis.
 Perkin, Alfred—Warm Springs. Barley.
 Perkins Bros.—Deer Lodge. Flax, grass, rye, peas.
 Phillips, James—Dillon. Potatoes.
 Pierce, E. P.—Boulder. Oats.
 Platt, Herman—Como. Potatoes.
 Platt, H. & Sons—Como. Potatoes.
 Plummer, F. M.—Libby. Clover.
 Popham, E. L.—Victor. Wheat.
 Potts, Jos.—Wise River. Clover, timothy.
 PUNCHES, S. H.—Austin. Garden peas.
 Rader, Chas. T.—White Sulphur Springs. Alfalfa.
 Radless, J. W.—Stevensville. Oats.
 Ravette, J. H.—Bozeman. Wheat.
 Reed, T.—White Sulphur Springs. Grass.
 Reed, Val.—White Sulphur Springs. Clover.
 Rehder, Jacob—Missoula. Rye, alfalfa, peas.
 Repass, Wm.—St. Ignatius. Wheat.
 Richardson, J.—Hayesford. Wheat.
 Richlie, Ernest—Missoula. Potatoes.
 Ringling, J.—White Sulphur Springs. Grass, peas.
 Ringling, John—White Sulphur Springs. Clover.
 Robinson, Frank—Dillon. Potatoes.
 Robinson, Roy—Cardwell. Blue grass, clover.
 Rock, Wm.—Lolo. Wheat.
 Roeman, J. J.—Bozeman. Wheat.
 Rotter, C.—Waterloo. Grass.
 Roub, H. D.—Hinsdale. Potatoes.
 Runnell Bros. & Scott—Eureka. Timothy, clover.
 Sabin, W. H.—St. Ignatius. Wheat.
 Savage, Wm.—Troy. Clover.
 Scollard, E. A.—Manhattan. Emmer.
 Scott, P. D.—White Sulphur Springs. Blue grass, timothy, clover.
 Scott, W. E.—Eureka. Potatoes.
 Scollard, D. A.—Bozeman. Wheat.
 Seigling, Gus—Armington. Buckwheat, wheat, barley, rye, oats, alfalfa, bromus inermis, vetch, flax.
 Shay, H. N.—Laurel. Wheat.
 Sheridan, Thos.—Helena. Alfalfa.
 Sherman, Chas.—White Sulphur Springs. Oats.
 Shienfelt, M. P.—Eureka. Wheat.
 Sibley, John—White Sulphur Springs. Clover, alfalfa.
 Smith, T. S.—Pipestone. Wheat.
 Smith, Wm.—Cardwell. Barley.
 Smith, W. C.—Miles City. Hay.
 Smith, W. M.—Whitehall. Wheat.
 Sprague, H. L.—Glasgow. Wheat, oats, barley.
 Stafferson, Wm.—White Sulphur Springs. Timothy, alfalfa, clover, oats.
 Stafford, A. H.—Bozeman. Wheat.
 Stephens, D. J.—Wisdom. Bromus inermis, native grasses.
 Stevens, J.—White Sulphur Springs. Hay.
 Stewart, W. H.—Boulder. Rye.
 Story, T. B.—Bozeman. Wheat.
 Sumner, F. C.—Clyde Park. Flax, wheat, barley, alfalfa, orchard grass, bromus inermis, clover, flax seed, peas, buckwheat, rye, clover seed, alfalfa seed, brome grass seed, orchard grass seed, millet seed, timothy.
 Talbott, W. V.—Armington. Grain, millet, timothy, orchard grass, clover, alfalfa, seeds, peas, potatoes.
 Taylor, F.—Hardin. Corn.
 Thomas, B. M.—Libby. Alfalfa, timothy.
 Thompson, Major—Bozeman. Wheat.
 Thompson, W. S.—Townsend. Clover.
 Todd, W. P.—Salesville. Wheat.
 Tolliver, Mrs. E. L.—Monarch. Blue grass, native grasses, timothy, millet, alfalfa.
 Trueman, Dick—Wise River. Clover.
 Turange Bros.—St. Ignatius. Alfalfa.
 Valinum, C. H.—Bridger. Beans.
 Vallance, John—Hamilton. Potatoes.
 Van Horn, E.—Helena. Beans.
 Verwolf, John—Manhattan. Wheat.
 Voges, C. W.—Big Timber. Oats.
 Vote, F. W.—St. Ignatius. Flax.
 Walters, Cab.—White Sulphur Springs. Clover.
 Walker, D. C.—Victor. Rye.
 Warren, C.—Boulder. Oats, wheat.
 Weber, L.—Bercail. Wheat.
 Wentworth, C. L.—Lewistown. Wheat, barley, flax, alfalfa, timothy, clover.
 West, Thos. W.—Havre. Potatoes.
 Whitecraft, Dural—Deer Lodge. Wheat.

White, Geo. A.—Helena. Alfalfa, timothy.
 White, Geo. M.—Birdseye. Blue grass, clover.
 White, Mat. W.—Bozeman. Bromus inermis.
 Whitney, G. M.—Bozeman. Clover, bromus inermis, wheat, oats.
 Willard, E. A.—Harden. Flax, wheat, clover, corn.
 Williams, Dr. W. M.—Harlem. Alfalfa seed.
 Williams, W. O.—Jefferson City. Barley.
 Willis, C. C.—Plains. Clover.
 Wilton, E.—Marysville. Barley, oats.
 Winslow, C. W.—Whitehall. Clover, wheat.
 Wisner, Montgomery—Bozeman. Wheat.
 Worth, C. L.—Dillon. Wheat.
 Wood, D. F.—Troy. Wheat.
 Wood, George—Bozeman. Wheat.
 Wood, George—Bozeman. Wheat.
 Wood, J. T.—Victor. Potatoes.
 Wood, N. S.—Ravalli. Clover.
 Woodward, E. C.—Cavern. Barley.
 Youngblut, Henry—Helena. Wheat.
 Zehntner, Jacob—White Sulphur Springs. Oats, clover.

GROUP 133

Kenyon Killibug Co.—Great Falls. Bug poison.

NEVADA

Location: Av. A. bet. 9th & 10th Sts.

GROUP 114

FARM EQUIPMENT AND METHODS OF IMPROVING LANDS

Nevada, State of—Reno, Nev. Model dairy farm.

GROUP 118

APPLIANCES AND METHODS USED IN AGRICULTURAL INDUSTRIES

Nevada, State of—Reno, Nev. Nevada creameries & dairy farms shown by photographs; specimens of garden crops.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

Nevada, State of—Reno, Nev. Experiments, maps, charts, photographs, statistics, etc., pertaining to the advancement of agriculture. Collective exhibit of soils.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Antelope Land & Cattle Co.—Yerington. Vegetables.

Anker, Peter—Lovelock.

Badt, M. & Co.—Wells. Wheat.

Barlow, A. H.—Mason. Potatoes.

Barrett, Geo.—Yerington. Potatoes.

Biddleman, Geo.—Reno. Potatoes.

Bower, G. M.—Lamoille. Wheat, Rye, Oats.

Brown, E. C.—Mason. Timothy.

Butler, J. D.—Paradise. Alfalfa Seed.

City Improvement Club—Vegetables. Reno. Potatoes.

Casey, J. A.—Lovelock. Alfalfa.

Churchill Co. Chamber of Com.—Vegetables.

Cirac, C. P.—Stillwater. Sugar Beets.

Colombo, G. B.—Reno. Vegetables.

Conway Co., P. J.—Wabuska. Alfalfa Seed.

Cordry, B. F.—Mason. Oats.

Cross, E.—Yerington. Wheat.

Dabney, W. S.—Reno. Vegetables, Onions.

Dangberg, H. F.—Minden. Wheat.

Dapoli, John—Dayton. Sugar Beets.

Deitz, Wm.—Northam. Sugar Beets.

Dolf, Thos.—Fallon. Sugar Beets.

Dominco, P.—Yerington. Barley.

Dominici, P.—Mason. Barley.

Eason, E. W.—Mason. Alfalfa.

Elko Development League—Elko. Vegetables.

Elko Dry Farm—Blaine. Barley, Oats, Rye.

Ferguson, J. W.—Fallon. Sugar Beets.

Fernley Water Users' Assn.—Fernley. Vegetables.

Freedhoff, Geo.—Yerington. Potatoes.

Ghileri, A.—Reno. Potatoes.

Griffith, Edw.—Las Vegas. Root Crops.

Hascall, C. A.—Fallon. Root Crops, Wheat.

Henningson, Geo.—Minden. Barley, Timothy.

Kaeding, G. L.—Battle Mtn. Alfalfa Seed.

Kent, Chas.—Stillwater. Sugar Beets.

Kent, C. E.—Fallon. Wheat.

Langford, W. L.—Fallon. Wheat, Oats.

Langford, W. L.—Stillwater. Timothy.

Las Vegas Chamber of Commerce—Las Vegas. Vegetables.

Lye, E. J. & Sons—Paradise. Timothy, Barley.

Lyon County Improvement Club—Vegetables.

Mason Valley—Grassies.

Mattley, John—Reno. Potatoes.

McGowan, J.—Yerington. Wheat.

McLeod, C. A.—Yerington. Wheat.

McLogan, D.—Mason. Alfalfa.

Menke, Wm.—Reno. Potatoes.

Mianchi, B.—Yerington. Barley.

Penrose, Wm.—Wabuska. Alfalfa Seed.

Perrazo, L.—Glendale. Root Crops, Potatoes.

Pyramid Indians—Pyramid. Oats, Timothy.

Pyramid Indian School—Pyramid. Barley.

Oar, Frank—Fallon. Sugar Beets.

Rafetto, Louis—Glendale. Potatoes.

Ruddell, W. C.—Lovelock. Barley.

Reno Commercial Club—Reno. Vegetables.

Schelds, R. C.—Yerington. Wheat.

Semenza, A.—Reno. Onions.

Shields, R.—Mason. Millet.

Shields, R. V.—Yerington. Wheat.

Shiappacasse, A.—Reno. Potatoes.

Snyder, J.—Yerington. Wheat.

Springmeyer, Chas.—Minden. Timothy.

Station Farm—Reno. Timothy.

Sturla, J. B.—Wadsworth. Potatoes.

Strosnider, I. A.—Yerington. Barley, Alfalfa.

Tamagini, A.—Yerington. Barley.

University of Nevada—Reno. Alfalfa, Barley.

Vannoy, O. J.—Fallon. Vegetables.

Walta Bros.—Reno. Vegetables.

—Oats—Reno.

Williams, W. H.—Fallon. Sugar Beets.
Wilson, G. E.—Nordyke. Oats.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Adams & McGill—McGill. Nevada Wool.
Buol, P.—Las Vegas. Cotton.
Dangberg, H. F.—Minden. Wool.
Griffith, E. W.—Las Vegas. Cotton.
Griswold & Henderson—Elko. Wool.
Hellonwell Jones Co.—Boston, Mass. Wool.
Jenkins, E. T.—Battle Mountain. Wool.
Keddie, A. W.—Fallon. Wool.
Leavitt, J. D.—St. Thomas. Cotton.
McBride, J. A.—Elko. Wool.
McGill, W. N.—Fly. Wool.
Nevada Cal. Land & Stock Co.—Reno. Wool.
Talbot, J. F.—Reno. Wool.
Taylor, J. G.—Lovelock. Wool.
Union Land & Livestock Co.—Reno. Wool.
University of Nevada—Reno. Wool.
Wheeler, O. S.—Reno. Wool.
Wolf, Ed.—Reno. Wool.

NEW YORK

Location: Av. B, bet. 4th & 5th Sts.

GROUP 117

TOBACCO

Gardner, Peter.—Fulton. Tobacco.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

State Dept. of Agriculture—Albany. Publications pertaining to Agriculture.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Adams, H. A.—Manlius. Wheat, oats, barley.
Amos, Charles—Albion. Beans.
Amos, Ben—Medina. Beans.
Andrews, John—Medina. Beans.
Atkinson, George S.—Albion. Timothy hay.
Ayrault, A.—Medina. Beans.
Baeber, John T.—Medina. Beans.
Belden & Co.—Perry. Beans.
Bell, K.—Brighton. Corn.
Carson, W. E.—Geneseo. Potatoes.
Clapp, George—Medina. Beans.
Cornell University—Ithaca. Alfalfa.
Dawley, F. E.—Fayetteville. Alfalfa hay.
Dibble, E. F.—Honeyoye. Mixed hay, potatoes, corn, clover seed, oats.
Garbutt, John J.—Garbutt. Wheat.
Gardner, C.—Tully. Potatoes, wheat.
Gebhardt, C. A.—Penfield. Wheat, potatoes, oats.
Fullerton, Hugh—Medford. Green corn.
Hastings, E. C.—Malone. Potatoes, wheat, corn.
Hess, Henry—Brockport. Beans.
Hess, E. A.—Saratoga. Rye, millet.
Hess—Dresden. Corn, potatoes.

Huff, Arthur—Owasco. Wheat, buckwheat, barley.

Hoag, W. T.—Tully. Potatoes.
Larselore, Henry—Dresden. Corn.
Lincoln Agri. School—Lincolndale. Corn.
Lowe, W. E.—Geneseo. Potatoes.
Lunt, C. S.—Charlotte. Rye.
Markham, F. H.—Clinton. Corn.
Manning, Wm. H.—Saratoga. Hay, oats.
Mathews, F. T.—Brockport. Oats.
MacPherson, J. N.—Scottsville. Barley.
Newton, A. B.—Penfield. Wheat.
New York Farms Co.—Elba. Corn.
Quick, G. T.—Mendon. Oats.
Rath, Wm.—Fulton. Beans.
Riedell, C. H.—Mexico. Corn.
Rogers, B. E.—Scottsville. Wheat.
Swan, F. W.—Geneseo. Potatoes.
Utter, Abe—Perry. Beans.
Warner, Frank—Fairport. Beans.
Walt, H. S.—Albion. Hay.
Wellman, A. E.—Pavilion. Beans.
Williams, Joseph—LeRoy. Pea beans.
Wadhams, S. W.—Clarkson. Wheat.
Wells, Obadiah—Suffolk. Corn.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Allen, George W.—Sangerfield. Hops.
Brainard, C.—Waterville. Hops.

OHIO

Location: Av. B, bet. 4th & 5th Sts.

GROUP 117

TOBACCO

Brown, W.—Milford. Tobacco.
Griffin, O. P.—Batavia. Tobacco.
Hodges, E.—Milford. Tobacco.
Hodges, Leroy—Milford. Tobacco.
Hodges, E. A.—Milford. Tobacco.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Adams, T.—Newark. Corn.
Bailey, W.—Yellow Springs. Corn, grasses.
Bartholomew, Robert—Huntsburg. Sugar cane.
Burt, Theodore & Son—Grover Hill. Oats.
Bussert, H. W.—Bloomington. Corn.
Call, Howard.—Kent. Maple sugar.
Clifton, J. B.—New Holland. Corn.
Craig, Elias—Groveport. Wheat, grasses.
Eichelberger, Floyd—Washington, C. H. Corn.
Franks, A. B.—Wooster. Potatoes.
Galehouse, D. W.—Canfield. Potatoes.
German-American Sugar Co.—Paulding. Beet sugar.
Graves, Charles—Antwerp. Corn.
Keechley, J. L.—Marysville. Barley, grasses.
King, Frank—Newark. Corn.
Powell, A. H.—Newark. Corn, clover, grasses.
Shaw, M. C.—Middlefield. Maple syrup.

Smith, Fairfield—Columbus. Rye.
 Swartz, Henry—Columbus. Wheat.
 Tussing, Judson—Canal Winchester. Oats,
 clover.
 Vanorsdall, G. O.—Jeffersonville. Corn.
 Wheeler, William J.—Paulding. Oats.
 Willett, Jacob—Hillsboro. Corn.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Cherry, H. H.—Wool.
 Cherry, W. G.—Wool.
 Cleaver, S. M.—Delaware. Wool.
 Grieve, Raymond D.—Wool.
 Wash, H. L.—Wool.
 Ohio State University—Columbus. Wool.
 Plumb, Chas. Sumner—Columbus. Wool.
 Rosenthal Bros.—Columbus. Wool.
 Shaw, L. W.—Columbus. Wool.
 Staley, W. M.—Wool.
 Walker, J. F.—Wool.
 Williamson, J. C. & Son—Wool.
 Williamson, H. C.—Wool.

GROUP 134

FORESTRY

Ohio Agricultural Experiment Station—
 Wooster. Wood section.
 Secrist, Edmund—Wooster. Wood section.

OREGON

Location: Ave. D, bet. 4th & 6th Sts.

GROUP 120

VEGETABLE FOOD PRODUCTS AND
AGRICULTURAL SEEDS

Achilles, Fred—Oregon City. Corn, alfalfa.
 Ames, W.—Eugene. Oats.
 Anderson, A.—Salem. Oats.
 Anderson, H. S., Judge—Oregon City. Oats.
 Bachman, Jos.—Clarkomas. Onion seeds.
 Bates Bros.—Hardman. Wheat.
 Bayless, W. O.—Heppner. Corn.
 Bender, F.—Cairo. Corn.
 Boege, H.—Wilsonville. Oats.
 Bogey, H.—Oregon City. Peas.
 Bradley, Chas.—Ontario. Corn.
 Bradney, A.—Ontario. Corn.
 Bushnell, J. C.—Eugene. Grasses.
 Butler, E. E.—Ontario. Corn.
 Bynon, F. S.—Salem. Corn.
 Calif, C. S.—Eugene. Clover, Alfalfa.
 Chindgren, P. O.—Mulino. Wheat.
 Columbia Land & Produce Co.—The Dalles.
 Wheat.
 Conant, W. T.—Ontario. Corn.
 Cottage Grove Grange—Cottage Grove. Grain.
 Cox, Stephen—Ontario. Corn.
 Cramer, Frank—Heppner. Barley.
 Creswell Grange—Creswell. Oats.
 Daugherty Bros.—Molalla. Wheat, oats.
 Daugherty, Fred—Oregon City. Potatoes.
 Davies, O. M.—Oregon City. Wheat, oats.
 Davies, Tom—Oregon City. Seeds.
 Davis, John—Eugene. Wheat.
 Deas, J. F.—Heppner Junction. Corn.
 Davis, W. H.—Honton. Wheat.
 Dennis, E.—The Dalles. Wheat, barley.
 Dimick, G. B.—Oregon City. Corn.
 Dufur Orchard Co.—Dufur. Barley.
 Ebell, G.—Baker. Oats.
 Edwards, J. K.—Junction City. Wheat.
 Fisher, John—Haines. Seeds, timothy.
 Foster, Mrs. M.—Salem. Vegetables.
 Freytag, O. E.—Oregon City. Seeds.
 Frye, F. O.—Nyssa. Corn.
 Funk, L.—Oregon City. Wheat, corn.
 Gilpin, Chas.—The Dalles. Wheat.
 Gordon, L. D.—Cairo. Corn.
 Gossett, W. A.—Baker. Millet.
 Gravelle, J.—Irving. Rye.
 Gray Bros.—McMinnville. Seeds.
 Gregory, G. H.—Molalla. Teasel.
 Gribble, A. D.—Macksburgs. Wheat.
 Guthrie, H.—Monmouth. Wheat.
 Hageman, H. W.—Oregon City. Potatoes.
 Harlow, M. Eugene—Orchard grass.
 Hatch, H.—Ontario. Corn.
 Hawkins, V.—Eugene. Wheat, oats.
 Hayes, H. G.—Heppner. Wheat.
 Henshaw, D. H.—Heppner. Wheat.
 Hickox, V. V.—Ontario. Corn.
 Holly, D.—Ontario. Corn.
 Holly, A.—Ontario. Corn.
 Honey, Mr.—Selma. Wheat.
 Hughes, L.—St. Paul. Pop corn.
 Hutchins, S. F.—Oregon City. Potatoes.
 Hyde, M.—Albany. Corn.
 Ingram, Geo.—Oregon City. Wheat, potatoe.
 Ireland, F. V.—The Dalles. Wheat.
 James, J.—Heppner. Barley.
 Jenkins, J. W.—Nyssa. Corn.
 Johnson, H.—Cairo. Corn.
 Johnson, W. T.—Ontario. Corn.
 Johnston, A. M.—Ontario. Corn.
 Johnston Bros.—Milwaukie. Onions.
 Johnston, Wm.—Milwaukie. Onions.
 Jones, J.—Heppner. Wheat.
 Kaiser, B.—MacLeay. Oats, wheat.
 Kelly, J. L.—The Dalles. Wheat.
 Klalskanie Commercial Club—Klalskanie. P
 itatoes.
 Koon, C.—Eugene. Clover, orchard grass.
 Kruse, H. O.—Wilsonville. Wheat.
 LaFollette, A. M.—Salem. Wheat, oats.
 Lawton, W. B.—Oregon City. Barley.
 Leach, W. E.—Lexington. Wheat.
 Leek, E.—Oregon City. Wheat.
 LePearce, Wm.—Heppner. Corn.
 Licklider, J.—Baker. Barley.
 Locy, J. E.—Ironside. Oats.
 Lencoy—Milwaukie. Clover, rye.
 Lovegren, E. E.—Eight Mile. Wheat.
 Lowe, D. M.—Ashland. Alfalfa, grain, clov
 er, broom grass.
 Luper, J.—Heppner. Wheat.
 Mallett, C. W.—Ontario. Wheat.
 Martin, A. W.—Albany. Corn.
 McGlashan, E. J.—Eugene. Alfalfa.

Miller, G.—Baker. Barley, wheat.
 Merrick, A. N.—Clackamas. Oats, wheat.
 Minor, A. C.—Heppner. Grain.
 Minor, O. W.—Heppner. Broom corn.
 Muller, F. W.—Oregon City. Barley, wheat.
 Naegli, C.—Oregon City. Vetch.
 Nairn, C. D.—Amity. Oats, wheat.
 Parker, F.—Lexington. Wheat.
 Parker, C. W.—The Dalles. Wheat.
 Peck, B. H.—Heppner. Wheat.
 Pelzold, O.—Eugene. Oats.
 Pennington, E. B.—Ontario. Corn.
 Platt, J.—The Dalles. Wheat.
 Ramsdon, C. J.—Salem. Wheat, oats.
 Reuter, T.—Madras. Wheat, oats, barley,
 rye, flax, peas, beans.
 Reese, J. H. & Son—Newberg. Oats.
 Rhodarmel, F.—Milwaukee. Onions.
 Risley, J.—Milwaukie. Wheat.
 Robertson, B.—Big Bend. Corn.
 Rodman, J.—Aurora. Barley.
 Rodman, H.—Eugene. Oats.
 Rood, A.—Heppner. Wheat.
 Ross, S. W.—Nyssa. Barley.
 Ross, L. T.—Joseph. Seeds.
 Schatz, Wm.—Wilsonville. Oats, wheat.
 Scramlin Grocer Co.—Macksburg. Oats.
 Sherman, F. M.—Lebanon. Potatoes.
 Simmons, Wm.—Junction City. Red clover.
 Simrel, W. J.—Salem. Wheat, oats.
 Smead, W. W.—Heppner. Wheat.
 Smith, J. W.—Macksburg. Grain.
 Smith, L.—The Dalles. Wheat.
 Sovern, J.—Junction City. Oats, wheat.
 Sperry, G.—Heppner. Barley, wheat.
 Stanley, H.—Oregon City. Barley.
 Steiner, F.—Oregon City. Wheat.
 Storey, J. M.—Eugene. Vetch.
 Taylor, W.—Salem. Wheat, seeds, oats.
 Taylor, W. A.—MacLeay. Oats, wheat.
 Taylor, W. A.—MacLeay. Corn.
 Thompson, R. A.—Heppner. Wheat, barley.
 Warren, E. M.—Eugene. Grain, clover,
 grasses.
 Whittenbaugh, C.—Eugene. Vetch.
 Willa Kenzie Grange—Eugene. Grasses, clo-
 ver, wheat.
 Wilson, Capt. F.—Eugene. Wheat.
 Wise, J.—Milwaukie. Rye.
 Young, C. M.—Eugene. Wheat.
 Young, W.—Eugene. Wheat, barley.

GROUP 133

USEFUL INSECTS AND THEIR PROD-
 UCTS, INJURIOUS INSECTS AND
 PLANT DISEASES

Lafollette, A. M.—Salem. Wheat, oats.
 McKinnery, H.—Baker. Oats.
 McLaren, Mr.—State Hospital, Salem. Corn.

SOUTH DAKOTA

10th St., Between Aves. B & C

GROUP 120

VEGETABLE FOOD PRODUCTS AND
 AGRICULTURAL SEEDS

Anderson, Elmer—Willow Lakes. Oats, Bar-
 ley.

Anderson, A. L.—Beresford. Dent Corn.
 White Dent Corn.

Ansman, L. E.—Wessington Spgs. Oats.
 Brown, Albert—Cathage. Oats, Wheat.
 Borreson, C. A.—Mitchell. Oats.
 Barnett, H. L.—Belle Fourche. Flax.
 Boe, Jorgan J.—Presho. Wheat.
 Bottum, Roswell—Aberdeen. Beans.
 Belle Fourche Com. Club—Belle Fourche.
 Grain.
 Carroll, J.—Miller. Spelts.
 Campbell, J. W.—Huron. Beans.
 Cook, W. C.—Sioux Falls. Beans.
 Dunham, F.—Wessington Springs. Oats.
 Dunmire, Geo.—Scotland. Timothy.
 Ewert, A. W.—Pierre. Alfalfa.
 Fowler, Mort—Belle Fourche. Wheat.
 Gehring, Fred—Howard. Barley.
 Gehring, Fred—Howard. Timothy.
 Gillam, W. S.—Redfield. Grain.
 Harnes, E. H.—Belle Fourche. Barley.
 Hinkley, C. L.—Brookings. Oats.
 Howard, H. A.—Lead. Broom Corn.
 Haas, Chas. C.—Whitewood. Clover, Alfalfa.
 Hensen, N. E.—Brookings. Proso.
 Ingram, R.—Bonesteel. Oats.
 Jaffries, Henry—Sansarc. Kaoliang.
 Kreuseher, Peter—Howard. Clover.
 Lusk, W. C.—Yankton. Blue Grass.
 Larson, John—Arlington. Oats.
 Lincoln, Isaac—Aberdeen. Barley, Buck-
 wheat, Millet, Peas.
 Lyons, E. M.—Vermillion. Orchard Grass.
 Larsen, H. P.—Beresford. Corn.
 Larsen, H. P.—Beresford. White Dent Corn.
 Morehouse Brothers—Watertown. Wheat.
 Mays, Guy—Belle Fourche. Barley.
 Michel, W. F.—Willow Lakes. Barley, Oats.
 Flax, Wheat.
 Meskel, W. L.—Newell. Barley.
 Mitchell, A. M.—Hecla. Oats.
 Morrow, E. C.—Beresford. Oats.
 McCutcheon, Dan—Belle Fourche. Oats.
 Meskel, Wm.—Belle Fourche. Wheat.
 Maurer, Geo.—Faulkton. Wheat.
 Morgans, Thos.—Mitchell. Beans.
 Nesselrod, L. A.—Wessington Spgs. Oats.
 Flax, Barley, Wheat, Timothy, Red Top.
 Millet, Corn, Grain.
 Newlin, Arthur—Pierre. Alfalfa.
 Otterbacker, Jacob—Eureka. Millet.
 Perne, J. M.—Vale. No. 29 Flax.
 Pearson, Geo. W.—Claremont. Wheat.
 Parmelee, C. B.—Arlington. Wheat.
 Peterson, Peter L.—Arlington. Rye.
 Pingree, Hurley. Corn.
 Pingree, Hurley. Corn.
 Roberts, D. P.—Belle Fourche. Oats.
 Reedy, J. W.—Beresford. Flax.
 Ronald, W. E.—Mitchell. Shalla.
 Ruhlman, J. H.—Faulkton. Cane.
 South Dakota Experiment Sta.—Brooking
 Barley, Oats, Rye.
 Smiley, M. J.—Belle Fourche. Emmer,

Sheldon, A. B.—Huron. Oats.
 Still, Ed.—Bonesteel. Oats.
 Stokes, O. O.—Belle Fourche. Wheat.
 Serr, Jno.—Belvidere. Kaoliang.
 Shimerda, J. H.—Howard. Clover.
 Stanley, J. A.—Lead. Maize.
 Sparks, W. E.—Blunt. Feterita.
 Schlosser, Geo.—Sioux Falls. Peas.
 Sandys, Mrs. L.—Pierre. Kidney Beans.
 Sanborn, Chas.—Hurley. Corn.
 Wright, Harry—Belle Fourche. Emmer.
 Weir, Henry—Belle Fourche. Oats.
 Wicker, J. O.—Webster. Bromus Inermus.
 Woods, S. J.—Pierre. Alfalfa.
 Wimple, A. J.—Beresford. Corn.
 Wimple, A. J.—Beresford. Corn.

VIRGINIA

Location: Av. A & 8th St.

GROUP 117

TOBACCO

Perkinson, A. M.—Church Road. Tobacco.
 Wilson, C. H.—Petersburg. Tobacco.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Bellwood, James—So. Richmond. Complete agricultural exhibit of grains, grasses, etc.
 Virginia, State of—Tobacco exhibit.

WASHINGTON

Location: Ave. A, bet. 6th & 7th Sts.

GROUP 115

AGRICULTURAL IMPLEMENTS AND FARM MACHINERY

Blewett Mfg. Co. Combined Harvester (model).

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Benton County Grange and Commercial Clubs—Corn, agricultural products.
 Chamber of Commerce, by C. W. H. Heide-man—Spokane. Pedigree seeds.
 Clallam County Fair Association—Port Angeles. Grains, grasses, potatoes, vegetables.
 Island County Fair Association—Oak Harbor and Soupeville. Wheat, barley, oats.
 North Yakima Commercial Club—North Yakima. Grains and grasses.
 Olympic Peninsula Fair Association—Port Townsend. Collective exhibit:
 Engle, C. T.—Port Townsend. Barley.
 Gastineau, A. M.—Port Townsend. Barley.
 Hooker, J. E.—Port Townsend. Wheat.
 Hutchinson, J. M.—Port Townsend. Rye.
 Naylor, E. J.—Port Townsend. Oats.
 Searry, Mrs. H.—Port Townsend. Wheat.
 Ritzville Commercial Club—Ritzville. Grain, alfalfa, feterita.

Benson, Ben—Burlington. Oats.
 Skagit County Fair Association—Burlington. Collective exhibit:
 Chase, J. L.—Burlington. Clover, wheat.
 Connor, F. J. S.—La Connor. Alfalfa.
 Downey, Fater—La Connor. Oats.
 Gear, L.—La Connor. Oats.
 Hansen, C. C.—La Connor. Oats.
 Hall, J. W.—Burlington. Alfalfa.
 Johnson, Ole—Burlington. Oats.
 Knight, Grant—La Connor. Oats.
 Knutson, C.—Burlington. Oats, rye, vetch.
 La Connor Land Co.—La Connor. Oats.
 Hunsicker, K.—Burlington. Clover.
 Polson, Alfred—Burlington. Clover.
 Sampson, Ray—Burlington. Alfalfa.
 Scott, S. C.—Burlington. Alfalfa.
 Ovevle, T. M.—Burlington. Barley.
 Nelson & Smith—Burlington. Wheat.
 Tyersland, Ben—O'Connor. Oats.
 Snohomish County Fair Association—Everett. Grains and grasses.
 Southwestern Washington Fair Association—Lewis County. Collective exhibit:
 Anderson, F. O.—Centralia. Wheat, timothy.
 Albred, Sol—Centralia. Timothy.
 Bush, J. C.—Chehalis. Timothy.
 Boatman, M.—Centralia. Orchard grass.
 Carney, Ed—Centralia. Grass.
 Crown, Ed—Chehalis. Orchard grass.
 Degeler, F. A.—Centralia. Rye, oats, wheat.
 Degeler, Mrs. F. A.—Centralia. Grass.
 Davis, S. S.—Centralia. Timothy.
 Esham, W.—Centralia. Wheat.
 Edwards, W. H.—Centralia. Wheat.
 Goodrich, C. E.—Centralia. Oats.
 Gibson, N. H.—Chehalis. Orchard grass.
 Hilford Bros.—Centralia. Barley.
 Hensen, J. E.—Centralia. Buckwheat, flax, field peas.
 Jensen, H.—Centralia. Oats.
 Lehman, F. F.—Chehalis. Wheat.
 Mattson, John—Chehalis. Wheat.
 Milem, J. E.—Chehalis. Garden Peas.
 Myers, A.—Centralia. vetch.
 Nelson, Nels—Centralia. Wheat.
 Orten, L. H.—Centralia. Oats.
 Raybon, H.—Centralia. Oats.
 Rimapel, K.—Chehalis. Orchard grass.
 Shaffer Bros.—Centralia. Wheat.
 Thacker, J. G.—Centralia. Timothy.
 Wall, W. E.—Centralia. Timothy.
 Walters, J. W.—Centralia. Clover.
 Woods, F. M.—Centralia. Timothy.
 Young, Ed—Centralia. Timothy, orchard grass.
 Spokane Chamber of Commerce—Spokane. Inland Empire grain and grass exhibit.
 Sunnyside District—Collective exhibit:
 Barnes, Wm.—Sunnyside. Potatoes.
 Sparsaddle, F. J.—Sunnyside. Corn.
 Eby, D. B.—Sunnyside. Corn.
 Greece, Chas.—Sunnyside. Potatoes.
 Goemmer, Mr.—Sunnyside. Potatoes.
 Harrison, W. H.—Sunnyside. Corn.

Ogata, B.—Sunnyside. Potatoes.
 Pratt, Wm.—Sunnyside. Potatoes.
 Rowland, C.—Sunnyside. Corn.
 Rody, Ed.—Sunnyside. Potatoes.
 Skinner, M. Q.—Sunnyside. Potatoes.
 Sheller, Roscoe—Sunnyside. Corn.
 Simpson, J. W.—Sunnyside. Corn.
 Sutherland, Mr.—Sunnyside. Onions.
 Turner, A. C.—Sunnyside. Corn.

Walla Walla Commercial Club—Walla Walla.
 Grain, alfalfa, timothy.

Washington State College—Pullman. Agricultural exhibit.

Whitman County Federation of Commercial Clubs—Pullman, Wash. Grain, grasses.
 Collective exhibit:

Arten, H. M.—Pullman. Wheat.
 Bryant, M.—Pullman. Wheat.
 Clark, J.—Pullman. Wheat.
 Durham, Ezra—Pullman. Wheat.
 Higgins, Vance—Pullman. Wheat.
 Jarron, W.—Colfax. Wheat.
 McCroskey, Geo.—Palouse. Wheat.
 Slagle, E. M.—Pullman. Wheat.
 Whitelow, M. W.—Pullman. Wheat.

GROUP 134

FORESTRY

Washington, State of—Photos, maps, data, etc., pertaining to the lumber industry.

Day Lumber Co.—Seattle. Shingles.

Gillespie, J. B.—Hoquiam. Table.

Schuneman, W. C.—Hoquiam. Table.

West Coast Lumber Manufacturers Assn.—Tacoma. Commercial Lumber products in varieties of finish.

WISCONSIN

Location: Av. A, bet. 6th & 7th Sts.

GROUP 117

TOBACCO

Oberson, T.—Westby. Tobacco.

Pomeroy & Co., W. T.—Edgerton. Tobacco.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

Wisconsin College of Agriculture—Madison. Agronomic and agricultural charts.

Wisconsin Agricultural Experiment Assn.—Madison. Institutions for the promotion and advancement of agriculture.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Alexander, A.—McFarland. Rye.

Austin, A. A.—Jonesville. Corn.

Ashland County Exhibit Assn. Ashland. Clover.

Bacon, G. W.—Burke. Corn.

Bayfield County Exhibit Assn.—Bayfield. Buckwheat, clover.

Barstow, Jas. E.—Randolph. Oats, corn, seeds.

Baldin, Wm. F.—DeForest. Corn.

Bell, F. E.—Columbus. Wheat.

Benedict, E. L.—Beloit. Corn, Clover.

Berger, Jno.—Oconto Falls. Rye, barley.

Bishop, W. E.—Arcadia. Corn.

Blott, Lorimer—Waukesha. Oats.

Block, H. J.—Burlington. Corn, Wheat.

Bohl, R. T.—Beaver Dam. Corn, Barley.

Bond, S.—Mondovi. Corn.

Breakay, G. W.—Alma Center. Corn, oats.

Brunker, Jos. A.—Ridgeway. Corn.

Brueckner, H. C.—Jefferson. Corn.

Brunker, J. E.—Ridgeway. Corn.

Chatterton, W. E.—Barco. Grain.

Clingman, E. E.—Reedsburg. Corn, Rye.

DeBaer, Martin—Midway. Corn.

Dengel, Peter—La Crosse. Oats.

Dettwiler, John—Monroe. Corn.

Drab, Frank—Kewaunee. Wheat.

Draheim, H. T.—Gotham. Grain and Hay.

Ellickson, A. C.—Arlington. Corn, Oats.

Forest County Exhibit Assn.—North Crandon. Grasses and clovers.

Freehoff, E. E.—Coon Valley. Corn, Seed.

Getchman, Chas. N.—Freedom. Oats, Seeds.

Gehrking, Fred J.—Elk Mound. Oats.

Gorsege, M. E.—Haven. Soy Beans.

Grebe, Fred—Fox Lake. Corn, Hay.

Griswald, H. N.—West Salem. Corn.

Groth, Louis—Cedarburg. Rye.

Hamam, E. E.—Monroe. Corn.

Hans, J.—Jefferson. Grain, Clover.

Hans, Enoch—Rochester. Clover, Alfalfa.

Hanson, L.—Eleva. Timothy.

Haney, O. A.—Lone Rock. Corn.

Hemmy, P. A.—Humbird. Clover.

Hockettweiler, O. J.—Alma Center. Corn.

Hesperich, Jno.—Lomira. Corn, alfalfa.

Hetchcock, H. E.—Pecatonica. Oats, barley.

Hints, H. S.—Oak Field. Corn.

Holt, E. L.—Pleasant Prairie. Corn.

Hood County Order—Grand Rapids. Alsike. clover and grains.

Howitt, C. H.—Randolph. Grain, Alfalfa.

Hubbard, L.—Evansville. Rye.

Iowa County Order—Dodgeville. Broom corn, sorghum, grains, alfalfa.

Joos, Frank—Alma Center. Corn.

Jung, J. W.—Randolph. Corn and Seeds.

Kaltenberg & Sons—Waunakee. Corn.

Katel, W. C.—Kewaunee. Rye.

Kelly, A. N.—Mineral Point. Corn, hay.

Kenosha County Exhibit Assn.—Kenosha. Clover and grasses.

Klein, Alfred—Lomira. Barley, oats.

Kneeland, Peter—Windsor. Beans.

Koehler, J. H.—Wausaw. Gingseng.

Koltes, Jas.—Dane. Oats, clover, seed.

Kopp, E. T.—Caryville. Corn.

Koss, Jos.—Kewaunee. Wheat.

Krause, J. L.—Beaver Dam. Grain, clover.

Lang, R. H.—Jefferson. Corn.

Langlade County Exhibit Order—Antigo. Peas, alfalfa, clover, grasses.

Leith, E.—Van Dyne. Oats, wheat.

- Leverich, J. W.—Sparta. Corn.
 Leverich, J. E.—Sparta. Corn.
 Leonard, Geo. H.—Jefferson. Corn, grain.
 Leonard, Wm.—Jefferson. Popcorn, grain.
 Libby, J. L.—Madison. Corn, oats, barley.
 Lincoln County Exhibit Assn.—Tomahawk. Alfalfa, clover, timothy.
 Lindly, F. J.—Fox Lake. Clover.
 Marathon County Exhibit Order—Wausau. Clover, timothy, peas, alfalfa.
 Markle, S.—La Crosse. Corn.
 Meacham, E. E.—Downing. Alfalfa.
 Messerschmidt, S. H.—Madison. Corn.
 Mills, Jno.—Black River Falls. Corn.
 Miritz, O. F.—Fond du Lac. Corn, oats.
 Moos, Wm.—Onalaska. Oats.
 Nevin, Loo—Kansasville. Corn, oats, barley.
 Nortman, R. H.—Black River Falls. Corn, oats, barley.
 Ochsnor, A.—Plain. Clover.
 Oimoen, O.—Barneveld. Corn, rye.
 Olson, A.—Ferryville. Clover.
 Oneida County Order—Rhinelander. Alfalfa, clover, peas, timothy, grains.
 Ozaukee County Exhibit Assn.—Cedarburg. Grains.
 Paulson, P. A.—Hudson. Alfalfa.
 Pommerening, E. C.—Oshkosh. Oats.
 Pechman, J.—Luxemburg. Rye.
 Pechman, John—Kewaunee. Rye.
 Peck, H. B.—Spring Green. Corn.
 Post, H. L.—Sextonville. Corn.
 Popp, Arthur—Jefferson. Grain, alfalfa.
 Peterson, H.—Centuria. Alfalfa, barley, rye, oats, wheat.
 Peterson, Ira—White Water. Corn.
 Polk County Agricultural Assn.—St. Croix Falls. Grasses, peas, clover.
 Price County Exhibit Assn.—Phillips. Clover, timothy, alfalfa, grain.
 Raessler, N.—Beloit. Grain.
 Ristow, C. S.—Black River Falls. Corn.
 Rodwell, R.—Baraboo. Corn.
 Roach, Jno.—Fond du Lac. Corn.
 Rassmusson, H. D.—Black Earth. Corn.
 Rosenow, H. E.—Oconomowoc. Corn.
 Runde, A.—Sinsinawa. Corn.
 Ruesink, H.—Waupun. Barley.
 Russell, A. G.—Janesville. Oats.
 Ryan, M. S.—Kankauna. Oats, rye.
 Sauk County Order—Reedburg. Grain.
 Sawyer County Exhibit Assn.—Sand Lake. Grain.
 Schmidt Bros.—Foxboro. Clover.
 Schoenbeck, H.—Enterprise. Barley.
 Schwandt, Wm.—Deer Park. Pure bred pedigreed grains and corn.
 Seibon, S.—Westby. Clover seed and hay.
 Seyforth, F.—Mondovi. Corn, oats.
 Shawano County Exhibit Assn.—Shawno. Rye, timothy, alfalfa.
 St. Croix County Order—Hudson. Alfalfa, grasses.
 Steinhoff, W.—Platteville. Clover.
 Swarts Bros.—Waukesha. Alfalfa.
 Stuble, F.—Black Earth. Corn.
 Taube, H. E.—Elkhorn. Corn.
 Taylor County Agricultural Assn.—Medford. Grasses, peas, clover.
 Techman, C.—Kewaunee. Corn, oats, alfalfa.
 Thompson, A.—Black River Falls. Corn.
 Thompson, A. L.—Blair. Corn, barley, alfalfa.
 Thorpe, E. B.—Monroe. Corn.
 Thorpe, J. E.—Tavera. Grain and clover.
 Tschudy, J. J.—Palmyra. Corn.
 Van Loon, J.—La Crosse. Corn.
 Vollk, Gilbert—North Freedom. Corn, oats.
 Ward, E.—Ft. Atkinson. Grain.
 Ward, T.—Ft. Atkinson. Grain.
 Washburn County Exhibit Assn.—Shell Lake. Clover, alfalfa, grasses.
 Waupaca County Exhibit Assn.—Waupaca. Alfalfa and clover.
 West, H. P.—Ripon. Grain.
 Weillings, J., Midway, Wis. Agriculture. Av. A, bet. 6th & 7th Sts. Corn, State Inspected Golden Glow, Wis., No. 12, Seed Corn for sale, grown by a specialist.
 Whelan, Jno.—Mondovi. Corn.
 Wichern, A.—Baraboo. Corn.
 Wichern, W.—Baraboo. Corn.
 Woelffer, H.—Waterloo. Corn.
 Wood County Order—Grand Rapids. Alsike, clover, grains.
 Zachara—Racine. Oats, rye.
 Zirk, P. A.—Kendall. Oats, wheat, corn, hay.

UNITED STATES GOVERNMENT

PALACE OF AGRICULTURE

Location: Ave. D, bet. 4th & 6th Sts.
 UNITED STATES DEPARTMENT OF
 AGRICULTURE
 Bureau of Animal Industry.
 Bureau of Biological Survey.

Bureau of Chemistry.
 Bureau of Plant Industry.
 Forest Service.
 Office of Experiment Stations.
 Weather Bureau.

UNITED STATES INSULAR POSSESSIONS

PHILIPPINE ISLANDS

Location: Philippine Pavilion
Location: Av. D, 2nd, 3rd & 4th Sts.

GROUP 114

FARM EQUIPMENT AND METHODS OF IMPROVING LANDS

Government of the Philippine Islands. Manila. Farm house, cart and sled.

GROUP 115

AGRICULTURAL IMPLEMENTS AND FARM MACHINERY

Government of the Philippine Islands—Manila. Plows, harrows, sickles, scythes, farm cart, seed cleaners, rice bran, harvest knives and rice hullers; model.

International Harvester Co. Chicago, Ill. Binder twine.

GROUP 117

TOBACCO

Alhambra Cigar Factory. Manila. Leaf tobacco.

La Flor de Isabela Cigar Factory, C. G. T. F. Manila. Leaf tobacco.

Dept. of Mindanao & Sulu. Zamboanga, Mindanao. Leaf tobacco.

Germinal Cigar Factory. Manila. Leaf tobacco, tobacco seeds.

Manila Commercial Co. Manila. Leaf tobacco.

Government of the Philippine Islands. Manila. Model, tobacco press.

Provincial Government of Cebu. Cebu. Leaf tobacco.

Provincial Government of Iloilo. Iloilo. Leaf tobacco.

GROUP 118

APPLIANCES AND METHODS USED IN AGRICULTURAL INDUSTRIES

Government of the Philippine Islands. Manila. Apparatus for cleaning and stripping abaca (Manila hemp).

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

General Land Registration Office—Manila, P. I. Results, Administration, Etc.

Government of the Philippine Islands. Manila. Pamphlets and papers re abaca (Manila hemp), coconuts, tobacco, sugar, rice, corn, coffee, cacao, fruits and minor products; statistical charts, agricultural publications.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Compania General de Tabacos de Filipinas. Manila. Coconuts, copra, oil and coir fiber from the coconut palm.

Dept. of Mindanao and Sulu. Zamboanga, Mindanao. Cacao, mungos, coconuts, copra.

Galleardo, B. Tasloban, Leyte, P. I. Coconut oil and ylang-ylang oil.

Gov. of the Philippine Islands. Manila. Agricultural seeds, grains, etc.

Lavadia, Cirilo G. Pagsanjan, Laguna. Coconut oil.

Manila Commercial Co. Manila. Ylang-ylang oil.

Pantolon Plantation Co. Zamboanga, Mindanao. Maize.

Rio Grande Rubber Estate. Cotobato, Mindanao. Peanuts and peanut oil.

Soriano, Manuel. Pagsanjan, Laguna. Coconut oil.

Vegetable Oil Co. Manila. Coconut oil.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

Dept. of Mindanao and Sulu. Mindanao. Para rubber.

Gov. of the Philippine Islands. Manila. Para rubber.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Braulio Feliciano. Sta. Cruz, Laguna. Manila rope made of abaca (Manila hemp) fiber.

Dept. of Mindanao and Sulu. Zamboanga, Mindanao. Kapok.

German & Co. Manila. Knotted abaca (Manila hemp).

Gov. of the Philippine Islands. Manila. Abaca (Manila hemp), maguey, sisal, pina, roselle, ramie, pacol, anabu, banana or saba, malibago, cabonegro, kapok, cotton, miscellaneous products as hats, slippers, cloths, etc., made of the above fibers.

Johnson-Pickett Rope Factory. Manila. Manila rope made of abaca (Manila hemp).

Lutz & Co. Manila. Balls and bobbins of knotted abaca (Manila hemp) and braided abaca.

MacLeod & Co. Manila. Abaca (Manila hemp) and maguey in bales.

Pacific Commercial Co. Manila. Abaca, kapok seeds.

Provincial Government of Tayabas. Lucena, Tayabas. Knotted abaca.

Sith Bell & Co. Manila. Abaca (Manila hemp) and maguey.

Stevenson & Co., W. F. Manila. Abaca (Manila hemp) and maguey.

Wood, O. V. Malile, Davao, Mindanao. Abaca (Manila hemp) fiber.

Ynchausti & Co. Manila. Manila rope made of abaca (Manila hemp) fiber.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Gov. of the Philippine Islands. Manila. Collection of useful and injurious insects; appliances for destroying injurious insects.

GROUP 134.

FORESTRY

Philippine Government—Forest geography, planting, management and utilization, indirect uses of forests.

GROUP 135

FOREST PRODUCTS

- Cadwallader Gibson Lumber Co., Manila. Planks and flooring panels, flooring.
- Cailles, Juan. Sta. Maria, Laguna. Planks.
- Fenner, J. T. Cotobato. Lumbang oil and meal.
- Insular Lumber Co. Manila. Planks and flooring.
- Kolambugan Lumber & Development Co. Manila. Planks and flooring.
- Lyon & Co. Zamboanga. Planks and rough lumber for demonstration.
- Mindanao Lumber Co. Zamboanga. Flooring.
- Philippine Government. Lumber, sawmill and planing mill products.

Philippine Negroes Lumber Co. (Adiz Negroes Occidental. Planks.

Pichel, Jose. Zamboanga. Planks and flooring.

Port Banga Lumber Co. Zamboanga. Planks and rough lumber.

Pujalte & Co. Manila. Planks and flooring.

PORTO RICO

Location: 4th St., Ave. C & D.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Government of Porto Rico. Collective Exhibit of Coffee.

FOREIGN GOVERNMENTS

ARGENTINE

Location: Av. D, Cor. 6th St.

GROUP 117

TOBACCO

- Comision Auxiliar de Salta—Salta. Tobacco.
- Castelli, E.—Salta. Tobacco.
- Gomez, Rafael E.—Salta. Tobacco.
- Secadero de Tabacos de Chicaona—Chicaona. Tobacco.

GROUP 118

APPLIANCES AND METHODS USED IN AGRICULTURAL INDUSTRIES

- Machain & Co., A. E.—Buenos Aires. Boxes for transportation of vegetables.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

- Direccion de Agricultura y Defensa Agricola (M. de A.) Publications.
- Direccion General de Comercio e Industria—Buenos Aires. Statistical data and information.
- Direccion de Tierras y Colonias—Buenos Aires. Publications and Maps.
- Direccion General de Ganaderia—Buenos Aires. Publications and Maps.
- Direccion General de Agricultura—Mendoza. Publications and Maps.
- Direccion General de Agricultura—Santa Fe. Publications and Maps.
- Direccion de Economia Rural y Estadistica—Buenos Aires. Statistical data and information.
- "La Rural" (Sociedad Anonima de Seguros)—Buenos Aires. Statistical information.
- La Cooperativa de Hacendados—Buenos Aires. Publications.
- La Gaceta Rural—Buenos Aires. Agricultural review publications.
- La Semana Comercial—Buenos Aires. Commercial review publications.

Ministerio de Agricultura—Buenos Aires. Publications.

Mistello, Hugo—Mercedes. Works on agriculture.

Oficina Meteorologica Nacional—Buenos Aires. Weather Charts, Maps, Publications, Etc.

Pillado, E.—Buenos Aires. Publications.

Sociedad Rural Argentina—Buenos Aires. Publications.

Thays, Ing Carlos—Buenos Aires. Publications.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Comision Exposicion Concordia—Concordia Entre Rios. Corn, Wheat, Barley and Flax.

Corrossino, A. E. & C. B.—Agote, F. C. P. Corn, Alfalfa Seed, Beans, Barley and Potatoes Seed, Mat Mates.

Comision Auxiliar de Salta—Salta. Cereal.

Diaz, Carlos—Montengudo. Malinitrous Grass.

Hicken, Dr. Cristobal—Buenos Aires. Herbarium.

Larguia, Constanancio—Rosario. Corn.

Lorenzetti, Ing. J. E.—Buenos Aires. Publications.

Marrupe, Gustavo—Salta. Corn.

Martinez, B.—Bahia Blanca. Alfalfa Seed.

Palma, Juan—Estacion Matilde. White Wheat.

Peluffo, Angel—Buenos Aires. Collection of Seeds.

Patron Costa, Luis—Salta. Corn.

Villa, Adan—Salta. Corn.

Wulff, Otto—Buenos Aires. Sugar Cane Plants.

GROUP 122

INEDIBLE AGRICULTURAL PRODUCTS

- Aguirre, Alb. y Ernesto—Gral. Belgrano. Wool.
- Areco & Hijos, Juan Sdo.—Las Armas. Wool.
- Arrequegaray, Juan—Monte. Wool.
- Araico Juan & Hijos—Los Armas. Sheep Skin.

- Baudrix Diego**—Ramos Otero. Wool.
Bahler Juan—Rosario Tala. Wool.
Berrondo, Sebastian—Suipacha. Wool.
Berrondo, Santiago—Gorostiaga. Wool.
Bentos Alvarez, Joaquin—Guaileguay. Wool.
Bioy, Pedro y Antonio—Crotto. Wool.
Bo, Vicente—Speluzzi. Wool.
Boloqui, Mariana E De—Monasterio. Wool.
Bonnefon, Juan—Plaza Montero. Wool.
Bosch, Ernesto—Maipu. Wool.
Botto, P. e hijos y Althabe—Gen. Alvear. Wool.
Casas, Nestor L.—Los Armos. Skin of Coati.
Caralli, Jose—Lesama. Wool.
Caralli y Brozzola—Juarez. Wool.
Carranza, D. B. de—Pardo. Wool.
Casating, Santiago—Castilla. Wool.
Casting, Esteban—S. Anto de Areco. Wool.
Cloke, Santiago—Espora. Wool.
Castax, Mariano—San Antonio de Areco. Wool.
Chayer, Juan B.—Juarez. Wool.
Cinto Hermanos—Guaileguaychu. Wool.
Clymont, McGuillermo—Concep. del Urug. Wool.
Delfino, A. A. & Hijos—La Bandera. Sheep Skin.
Dunleavy y Co.—Mercedes. Wool.
Delfino, A. M. & Bros.—Camarones. Wool.
Del Potro, Fermin—Rauch. Wool.
Diaz y Telleria—Magdalena. Wool.
Duggan, Hnos—Arroyo. Wool.
Estrugamou, A.—Blandengues. Wool.
Estrugamou & Co.—Roberts. Wool.
Figueroa, Miguel—Tandil. Skin of Bullock.
Fagan, Catalina W. G. de—Gonin. Wool.
Fernandes Mendes, Jose—Olavarria. Wool.
Fernandes Parera, D.—Curuzu Cuatia. Wool.
Ferrari, Antonio—Las Armas. Wool.
Fritz, Th.—Buenos Aires. Ostrich's Feathers.
Pharmann, H. & Co.—Las Armas. Ostrich's Feathers.
Grobby, Federico—Tandil. Tail of Cow, Tail of Horse.
Girado, Sucesion Cefer—Chascomus. Tail of Cow, Tail of Horse.
Gonzalez Moreno y Molinero C.—Pico. Wool.
Garraida Maquirriain, Sucesion J.—Rauch. Wool.
Guerrero, Carlos—Juancho. Wool.
Henderson & Co.—Lamimosa. Sheep Skin.
Herrera Vegas—Lalberden. Sheep Skin.
Lannuse, Pedro y Antonio. Woolen Fleeces.
Leloir, Alberto y Antonio—Santa Elena. Wool.
Ledesma, Glodomiro—Wheelwright. Wool.
Lamon, Cecilio—Chivilcoy. Wool.
Leloir, Hortensia Ag. de—Gral. La valle. Wool.
Marengo y Tubo—Curamalan. Sheep Skin.
Mihura, Juan E.—Nogaya. Sheep Skin.
Monesgar, L.—Cordoba. Fibre.
Muller Bros.—Santa Cruz. Fibre.
Munshi, Cecilio—Giles. Wool.
Wm. J. J.—Bompland. Wool.
Munshi J.—Guaileguay. Wool.
Murature, Diaz & Cia—Carmen de Areco. Wool.
Mihura, E Hijos J. B.—Nogoya. Wool.
Menchacabaso, M. B. de—Lezama. Wool.
Mesa & Co.—Guaileguaychu. Wool.
Martinez de Hoz M. A.—Quequen. Wool.
Nayan, Julio Co.—Sata Cruz. Bristle Tail of Horse.
Olivera, D. P. & A.—Lozano. Wool.
Odrizozola, Pedro—Juancho. Wool.
Padere, Maria I. D.—Guaileguay. Sheep Skin.
Pereda & Co., Celedonio—Est. Villa Maria B. A. Woolen Fleeces.
Pereda, Celedonio—Maximo Paz. Wool.
Pereyra Iraola, Dr. Leonardo—Buenos Aires. Woolen Fleeces.
Pinasco, Fulgencio—Mercedes. Woolen Fleeces.
Palenque, Juan A.—Pardo. Woolen Fleeces.
Puchulu, Juan—Conc. del Uruguay. Woolen Fleeces.
Reissi Antonio—Rivas. Woolen Fleeces.
Rattagan, Tomas—Capit. Sarmiento. Woolen Fleeces.
Reiss, Alberto—Juarez. Woolen Fleeces.
Runciman & Co.—Guaileguaychu. Woolen Fleeces.
Salaverry e hijos—Mercedes. Woolen Fleeces.
Sarachaga, Carlos—Chascomus. Cotton.
Serda, Ing R. de la—Resistencia. Cotton.
Serantes, Alberto—Guaileguay. Tail of Horse.
Sierra, Osbaldo—Metan. Cotton.
Unsue, S. J.—Mercedes. Wool.
Vilaseca, Tomas y Manuel—Viedma. Wool.
Velas angel y Cia—Juarez. Wool.
Walker, Guillermo—Navarro. Wool.
Yanez Otero y Cia—C. del Uruguay. Wool.
Yanez, Benito—Racamora. Wool.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

- Gubba, Antonio**—Buenos Aires. Insect Killer.
Ministerio de Agricultura—Mendoza. Collection of various insects injurious to Agriculture.

GROUP 134

FORESTRY

- Comite Argentino**—Buenos Aires. Woods.
Comision Auxiliar de Salta—Salta. Woods.
Direccion General de Puentes y Caminos—Buenos Aires. Woods.
Gualteri, Hermanos—Fortin Carlos Chaco. Woods.
Gobierno de la Provincia de San Luis—San Luis. Woods.
Halmes, Hermanos—Concepcion. Woods.
Inspection de Bosques y Yerbales—Buenos Aires. Woods and Bamboos.
Lange, Ing Enrique M.—Buenos Aires. Woods.
La Forestal Ltd.—Resistencia. Woods.
Las Palmas del Chaco Austral—Chaco. Woods.
Oficina de Bosques (M de A)—Buenos Forests.

GROUP 135

FOREST PRODUCTS

Jerosch & Co.—Buenos Aires. Mfg. made out of Cork.

Vignau & Co., Pedro—Buenos Aires. Mfg. Woods.

Wulff, Otto.

AUSTRALIA

Location: Australian Pavilion, Presidio Entrance, Opposite French Pavilion

GROUP 117

TOBACCO

Department of Agriculture and Stock. Brisbane, Queensland. Tobacco.

Department of Agriculture. Melbourne, Victoria. Tobacco.

Water Conservation and Irrigation Commissioner. Leeton, New South Wales. Tobacco.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

Department of Agriculture. Melbourne, Victoria. Soil samples.

Department of Agriculture. Sydney, New South Wales. Soil samples.

Robinson, W. C.—Wellington. Agr. Products.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Adamson, T. G. Tamworth, New South Wales. Malting barley.

Allen, G. E. Coolay, New South Wales. Wheat.

Bickett, J. Wagga Wagga, New South Wales. Chaff.

Butler, W. Gilmore, New South Wales. Maize, oats.

Callaway, J. T. Gilmore, New South Wales. Maize.

Chick, J. Tenterfield, New South Wales. Maize.

Clark, W. New South Wales. Wheat.

Department of Agriculture & Stock. Brisbane, Queensland. Wheat, millet.

Department of Agriculture. Melbourne, Victoria. Wheat, oats, barley, maize, peas, onions, hay, fodder, grasses.

Department of Agriculture. Sydney, New South Wales. Wheat, oats, barley, maize, peas, hay, grasses, sorghums and millets.

Government Experimental Farm. Bathurst, New South Wales. Malting barley, rye, wheat.

Government Experimental Farm. Cowra, New South Wales. Wheat.

Government Experimental Farm. Glen Innes, New South Wales. Wheat.

Hutchison, J. Glen Innes, New South Wales. Oats.

Lewis, J. L. New South Wales. Oats.

Pollock, Smith. Quirindi, New South Wales. Wheat.

Reach, J. Gilgandra, New South Wales. Wheat.

Tonkin, W. Little Plain, New South Wales. Wheat, barley.

Water Conservation & Irrigation Commission. Leeton, New South Wales. Oats, barley, alfalfa.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

Technological Museum. Sydney, New South Wales. Eucalyptus oils, tanning barks.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Armstrong W. Bros. Cunnamulle, Queensland. Merino fleeces.

Baker, J. & Sons. Pomboineit, Victoria. Lincoln fleeces.

Clarke, G. C. Warwick, Queensland. Merino wool combing.

Cochrane, J. H. Geelong, Victoria. Leicester fleeces.

Dangar, Captain C. C. Gostwyck Station, Uralla, New South Wales. Merino fleeces.

Department of Agriculture & Stock. Brisbane, Queensland. Wool, cotton.

Department of Agriculture. Melbourne, Victoria. Wool.

Fox, J. L. Emerald, Queensland. Merino fleeces.

Geary, E. M. Hughenden, Queensland. Merino fleeces.

Gladigan, C. A. F. Nhill, Victoria. Merino fleece.

Government of New South Wales. Wool.

Hague & Co., George. Geelong, Victoria. Wool.

Ham, H. W. Geelong, Victoria. Merino fleeces.

Larcombe, Mrs. W. H. Geelong, Victoria. Lincoln fleeces.

Macanish Estate. Dalby, Queensland. Merino fleeces.

McCormac, J. Surat, Queensland. Merino fleeces.

MacKay & Co. Clermont, Queensland. Merino fleeces.

McLennan, J. Barwon Downs, Victoria. Fleeces.

New Zealand & A. E. Co. Wellshot, Queensland. Merino fleeces.

O'Brien, L. P. O. Capella, Queensland. Merino fleeces.

Queensland Meat Export & Agency Co. Brisbane, Queensland. Packing house by-products.

Ross, Alex B. Penhurst, Victoria. Merino fleeces.

Slade, G. B. Warwick, Queensland. Merino fleeces.

Slade, W. B. Glengallen, Queensland. Merino fleeces.

Taylor Estate Co. Cecil Plains, Queensland. Merino fleeces.

White, O. F. Pikedale, Queensland. Merino fleeces.

White, E. W. Harben Vale, Blandford, New South Wales. Wool fleeces.

**GROUP 135
FOREST PRODUCTS**

Bagot Bros. Ballina, New South Wales. Ironbark spokes.
Cairns Timber, Ltd. Cairns, Queensland. Assorted timbers.
Commissioners for Railways. Brisbane, Queensland. Timbers.
Department of Public Lands. Brisbane, Queensland. Timbers.
Department of Public Works. Melbourne, Victoria. Timber scantlings, prepared timbers.
Forestry Department. Sydney, New South Wales. Sawed timbers, etc.
Technological Museum. Sydney, New South Wales. Prepared timbers, golf clubs.

BOLIVIA

Location: Bolivian Pavilion, Ave. of Nations, Opposite Canadian Pavilion

**GROUP 120
VEGETABLE FOOD PRODUCTS AND
AGRICULTURAL SEEDS**

Bolivian Government—Chuquisaca & Santa Cruz Depts. Rice, Peanuts.
Bolivian Government—Chuquisaca & Cochabamba Depts. Beans.
Bolivian Government—La Paz Chuquisaca & Cochabamba Depts. Corn.
Bolivian Government—La Paz, Oruro, Potosi & Cochabamba. Quinoa.
Bolivian Government—La Paz Dept. Canagua.
Bolivian Government—Padilla, Coroico; Munaypata, Coroico. Cocoa Beans.
Bolivian Government—Santa Rosa, Coroico; Pato, Coroico. Cocoa Leaves.
Gutierrez, Vicente—Nueva Moka, Santa Cruz. Cocoa Beans.
La Faya, Belisario—Macamara, Coroico. Cocoa Leaves.
Rico, Benjamin—Yanamayu, Chapare. Cocoa Leaves.
Soria, Leopoldo—Buena Vista, Santa Cruz. Yerba Mate.
Villaroel, Mariano—San Onofre, Chapare. Cocoa Leaves.

**GROUP 121
APPLIANCES FOR GATHERING WILD
CROPS AND PRODUCTS OBTAINED**

Bolivian Government—La Paz & Beni Depts. Para Rubber, Cauchu.
Guenther, Ernesto—San Carlos, Mapiri. Quinine Bark.

**GROUP 132
INEDIBLE AGRICULTURAL PRODUCTS**
Makowsky, Francisco—La Joya, Cinti. Cotton.

**GROUP 133
USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES**
Marment—La Paz, Tarija, Beni
Ustable Silks.

**GROUP 135
FOREST PRODUCTS**

Bolivian Government—All Departments. Collection of Timbers.

CHINA

Location: Palace of Agriculture, Aves. C & D, bet. 2nd & 4th Sts.

**GROUP 114
FARM EQUIPMENT AND METHODS OF
IMPROVING LANDS**

Province of Chekiang. Li-Shui Cham. of Com. Mortar worked by water-wheel.
Province of Honan. Honan Agric. College. Mill model.
Province of Kiangsu. Chian Pai Ung. Wind-wheel.
Industrial School. Models of agricultural implements.
Tai Chong Technical School. Model of building.

**GROUP 116
FERTILIZERS**

Province of Anhui. Kwei Tse District. Cottonseed cakes.
Wu Ten Chen. Sesamum cakes.
Province of Chekiang. Ching Tai Kon. Bean cakes.
Ching Tai Kon. Vegetable cakes.
Yih Tsien Tong. Vegetable cakes.
Yih Tsien Tong. Paulownia seed cakes.
Yuen Tseng Co. Vegetable cakes.
Province of Fengtien. Fengtien Exhibit Asso. Bean cakes.
Province of Kiangsu. Ching Chang Ye. Vegetable cakes.
Ching Chang Ye. Cotton seed cakes.
Char Yih Yu. Cotton seed cakes.
Chang Dien Ying. Bean cakes.
Choh Yung Yuen. Peanut cakes.
Choh Yung Yuen. Vegetable cakes.
Goo She Ting. Cotton seed cakes.
Goo She Ting. Vegetable cakes.
Hung Yung Chen. Vegetable cakes.
Hu Wung Sung. Peanut cakes.
Kwong Sun Co. Cotton seed cakes.
Lee Bai. Bean cakes.
Sze Yee Chang. Bean cakes.
Sung Yu Chen. Bean cakes.
Tai See Chung. Bean cakes.
Wong Tze Ying. Bean cakes.
Wong Tzeh Tze. Bean cakes.
Yung Lee Co. Cotton seed cakes.
Yung Lee Co. Bean cakes.
Province of Kwangtung. Agric. Exp. Station. Bean cakes.
Agric. Exp. Station. Peanut cakes.
Agric. Exp. Station. Vegetable cakes.

**GROUP 117
TOBACCO**

Province of Anhui. Chien Tuh. Tobacco leaf.
Kwei Sze District. Tobacco leaf.
Lu Kon ling. Tobacco leaf.
Sung Sho Chow. Tobacco leaf.

Province of Chihli. Agric. Exp. Station. Tobacco leaf.

Chang Yung Tsun. Tobacco leaf.

Chang. Tobacco leaf.

Chong Ping Chamber of Com. Tobacco leaf.

Sing Hai District. Tobacco leaf.

Tong District. Tobacco leaf.

Yahh Hing Ching Co. Tobacco leaf.

Ye District. Tobacco leaf.

Yee District Chamber of Com. Tobacco leaf.

Yung District. Tobacco leaf.

Province of Chekiang. Chang Su Wei. Tobacco leaf.

Chaw Tuh Yen. Tobacco leaf.

Chen Shan Tung. Tobacco leaf.

Lee Lu Ching. Tobacco leaf.

Mih Chung Hwang. Tobacco leaf.

Ping Yang Exhibit Assn. Tobacco leaf.

Shu King Sih. Tobacco leaf.

Sze Yuh Ching. Tobacco leaf.

Yao Tse Dien. Tobacco leaf.

Zwei Chang Chamber of Com. Tobacco leaf.

Province of Fantien. Dwan Zian Zuai. Tobacco leaf.

Sin Zin District. Tobacco leaf.

Province of Hunan. Chan Sha District. Tobacco leaf.

Hunan Agric. Asso. Tobacco leaf.

Hung Yung District. Tobacco leaf.

Lee Lin District. Tobacco leaf.

Lon San District. Tobacco leaf.

Ling Lee District. Tobacco leaf.

Loo Che District. Tobacco leaf.

Shan In District. Tobacco leaf.

Shen Pu District. Tobacco leaf.

Shen Chen District. Tobacco leaf.

Syan Pan District. Tobacco leaf.

Yung Sun District. Tobacco leaf.

Province of Hupeh. Agricultural School. Tobacco leaf.

Yen Fung Chamber of Com. Tobacco leaf.

Yung District. Tobacco leaf.

Wong Sheu Shan. Tobacco leaf.

Province of Kwangsi. Agric. Exp. Station. Tobacco leaf.

Chang Taun Sung. Tobacco leaf.

Chen Yun Wen. Tobacco leaf.

Du Yee Fu. Tobacco leaf.

Du Yang Yee. Tobacco leaf.

Fung Sin Exhibit Asso. Tobacco leaf.

Ko Tsen Ching. Tobacco leaf.

Kwangsi Exhibit Assn. Tobacco leaf.

Kwong Fung Chamber of Com. Tobacco leaf.

Shah Lung Kwang. Tobacco leaf.

Sui Chong Exhibit Asso. Tobacco leaf.

Sung Poh Tong. Tobacco leaf.

Wong Che and Wu. Tobacco leaf.

Woo Chuh Shing. Tobacco leaf.

Province of Kwangtung. Chamber of Commerce. Tobacco leaf.

Fung Tsung Shing. Tobacco leaf.

Hu Tze Tsung. Tobacco leaf.

Yung Lung Hong. Tobacco leaf.

Province of Kirin. Woo Tiang. Tobacco leaf.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Hunan Bureau

Hsupushien. Buckwheat. Fd. Pr. Pal.

Koi Fung Shien. Beans, Peas, Peanuts, Sesamun. Fd. Pr. Pal.

Siang Tan Shien. Sesamun Seed, Grains, Millet, Lily Seed. Fd. Pr. Pal.

Province of Kiangsu

Sze Mon Yin. Barley, Wheat, Beans, Maize Seed. Fd. Pr. Pal.

Province of Anhui. Agric. Exp. Station. Rice.

Lui Ying Tong. Rice.

Nan Ling Agric. Asso. Rice.

Sze Zung Fah. Rice.

Tsui Choh Mai. Rice.

Tsuei Tze Chor. Rice.

Wang Yuen Chamber of Commerce. Rice.

Yang Sze Jih. Rice.

Pan Tsow Gih. Wheat.

Wan Yuen Chamber of Commerce. Wheat.

Wang Yuen Chamber of Commerce.

Nan Ling Agric. Asso. Sesamun seed.

Exhibit Association. Legumes & their seed.

Exhibit Association. Vegetables and their seed.

Province of Chekiang. Agric. Exp. Station. Millet.

Agric. Exp. Station. Wheat.

Agric. Exp. Station. Legumes and their seed.

Agric. Exp. Station. Corn.

Agric. Exp. Station. Barley.

Chang Dee Lung. Rice.

Cha Wen Lu. Rice.

Chen Pau Lee. Rice.

Chen de Chung. Rice.

Chiang Tsun Han. Rice.

Chiang Zai Ke. Rice.

Chiang Chung Han. Corn.

Chen Pow Le. Wheat.

Chang Tsung Han. Barley.

Char Wen Lu. Barley.

Chow Yun Chong. Rice.

Chow Dan Sung. Rice.

Chow Zao Ling. Rice.

Chow Zor Ling. Corn.

Chang Chun Han. Wheat.

Chiang Zuei Gee. Legumes & their seed.

Chee Han Ching. Legumes & their seed.

Chu Kee Agric. Asso. Legumes & their seed.

Du Yu Fu. Corn.

Exhibit Asso. Sesamun seed.

Exhibit Asso. Legumes & their seed.

Exhibit Asso. Vegetables & their seed.

Fong King Chien. Rice.

Fong King Liang. Rice.

Fong Pow Ching. Rice.

Fang Yung Wan. Rice.

Fung Hwa Agric. Asso. Legumes & their seed.

Hu Shao Hung. Rice.

Hung King Shao. Rice.

Hu Sze Yuen. Rice.

Hu Show Hung. Millet.

Hung Ye Mung. Corn.

Hung King Show. Wheat.

Hu Sow Hung. Wheat.

Hu Sze Yuen. Wheat.

Hai Yen Chamber of Com. Legumes and their seed.

King Shuen. Rice.

Kiasan Chamber of Com. Rice.

Kwoh Hoh Yu. Corn.

Kiasan Chamber of Com. Legumes and their seed.

Lee Zor Hung. Rice.
 Liu She Wen. Rice.
 Liang Yung Wang. Rice.
 Liang Tze Shan. Corn.
 Moa Yun Chang. Rice.
 Mow Zai Lai. Rice.
 Lung Chien Exhibit Asso. Rice.
 Pu Kian Chamber of Com. Rice.
 Prov. Agric. Exp. Sta. Rice.
 Ping Yang Agric. Asso. Rice.
 King San Hu. Rice.
 Pang Chien. Wheat.
 Ping Ho Agric. Asso. Legumes and their seed.
 Sze Chee Agric. Asso. Rice.
 Sien Chu Exhibit Asso. Rice.
 Sung Tien Lin. Rice.
 Shu Ha Ching. Rice.
 Swei Chang Agric. Asso. Rice.
 Sze Tuh Fung. Rice.
 Shu Chen Shur. Rice.
 Sung Kia Mai. Rice.
 Sien Ku Exhibit Asso. Millet.
 Sung & Chen. Millet.
 Sin Kia Mai. Millet.
 Sien Ku Exhibit Asso. Wheat.
 Sang & Chen. Barley.
 Sien Ku Exhibit Asso. Legumes and their seed.
 Taeng Chun Yu. Rice.
 Tze Kee Agric. Asso. Rice.
 Tong Yung King. Rice.
 Tze Che Agric. Asso. Legumes and their seed.
 Woo Zing. Rice.
 Wong Fuh Sang. Rice.
 Wuhsing Exhibit Asso. Rice.
 Wu Mow Sung. Rice.
 Wong Wan. Rice.
 Wong Kung Sien. Rice.
 Wong Cho San. Rice.
 Wong Mon Yuen. Rice.
 Wu Yu Tuh. Millet.
 Wang Zung Wa. Legumes and their seed.
 Yu Wai Chung. Rice.
 Yu Yor Agric. School. Rice.
 Yang Kwai Sun. Rice.
 Yuen Ye Yung. Sorghum.
 Ye Yu Kung. Corn.
 Zuei Chang Agric. Asso. Millet.
Province of Chihl. Cent. Agric. Exp. Sta.
 Rice.
 Chang Lee District. Millet.
 Ching District. Millet.
 Central Agric. Exp. Sta. Sorghum.
 Central Agric. Exp. Sta. Corn.
 Central Agric. Exp. Sta. Wheat.
 Chong District. Wheat.
 Central Agric. Exp. Sta. Barley.
 Chong District. Barley.
 Central Agric. Exp. Sta. Oats.
 Central Agric. Exp. Sta. Legumes & their seed.
 Central Agric. Exp. Sta. Vegetables and their seed.
 Central Agric. Exp. Sta. Millet.
 Lai Yuen District. Wheat.
 Tientsin District. Rice.
 Tientsin District. Millet.
 Sing Hei District. Legumes and their seed.
 Tentsing District. Legumes and their seed.
 Wung An District. Rice.
 Zing Hai District. Rice.
 Zing Hai District. Corn.
Province of Fengtien. Agric. Exp. Sta. Sorghum.
 Agric. School. Sorghum.
 Agric. Exp. Sta. Corn.
 Agric. School. Corn.
 Agric. Exp. Sta. Wheat.
 Agric. Exp. Sta. Barley.
 Agric. Exp. Sta. Oats.
 Agric. Exp. Sta. Legumes and their seed.

Province of Honan. Shu Chen. Rice.
 Po Tze Tseng. Rice.
 Chang Koh Tung. Rice.
Province of Hunan. Lai Yang.
 An Shien Tong. Rice.
 An Chen District. Rice.
 Chong Ning District. Rice.
 Chang Sha District. Rice.
 Hung Young District. Rice.
 Hwa Yang District. Rice.
 Kien Yang District. Rice.
 Kwei Yang District. Rice.
 Ling Lee District. Rice.
 Lang Shan District. Rice.
 Lu Chee District. Rice.
 Lan Shen. Sorghum.
 Ma Yang District. Rice.
 Exhibit Asso. Legumes and their seed.
 Syan Tan District. Rice.
 Song Zuh District. Rice.
 Sing Ling District. Rice.
 Shu Poo District. Rice.
 Sai Ning District. Rice.
 Tze Chang District. Rice.
 Yow District. Rice.
 Yih Yang District. Rice.
 Yung Saei District. Rice.
 Yun Shen District. Rice.
 Wan Ling District. Rice.
 Yun Suen District. Sorghum.
 Siang Tan District. Sorghum.
 Zing District. Sorghum.
 Kwei Yang District. Sorghum.
 Sing Ning District. Sorghum.
 Lan Shan District. Sorghum.
 Changsha District. Sorghum.
 Wan Ling District. Corn.
 Ma Yung District. Corn.
 Chien Yan District. Corn.
 Song Zuh District. Corn.
 Yung Shan District. Corn.
 Yih Yang District. Corn.
 Hung Yang District. Wheat.
 Chien Yang District. Wheat.
 Ling Lee District. Wheat.
 Yung Shan District. Wheat.
 Lee District. Wheat.
 She Poo District. Wheat.
 Chang Ming District. Wheat.
 Wang Ling District. Wheat.
 She Pu District. Barley.
 Wang Ling District. Barley.
 Sing Ning District. Barley.
 Exhibit Asso. Sesamum seed.
Province of Hupeh. An Lo District. Rice.
 Le Dien Ying. Rice.
 Agric. Exp. Sta. Buckwheat.
 Kow Chen Chamber of Com. Buckwheat, rice.
 Wu Chang Agric. Exp. Sta. Buckwheat, rice.
 Wu Chang Agric. Exp. Sta. Sorghum.
 Tong Yang Agric. Exp. Sta. Sorghum.
 Wu Chang Agric. Exp. Sta. Corn.
 Exhibit Asso. Wheat.
 Agric. Exp. Asso. Sesamum seed.
 Agric. Exp. Asso. Legumes and their seed.
Province of Kiangsu. Auyang Lu Su. Rice.
 Lo Ping Young. Rice.
 Agric. Asso. Rice.
 Chien Yee Chong. Rice.
 Wong Sih Sun. Rice.
 Shu Sze Kow. Rice.
 Sze Nung Ying. Rice.
 Chen Fung Low. Rice.
 Wong Chen. Rice.
 Shu Tah Ying. Rice.
 Lee Shin Lung. Rice.
 Loo Kang Ching. Rice in tablets.
 Yen Tseng Sung. Rice.
 Liu Tseng Wu. Rice.
 Agric. Asso. Millet.
 Miss Zung Lan. Millet in complete.

Pao Ying Agric. Asso. Millet.
 Kwang Chamber of Commerce. Millet.
 Kwong Chen. Millet.
 Sze Nung Ying. Millet.
 Shu Tuh Ying. Millet.
 Chen Hu Wah. Millet.
 Kiangying Agric. Asso. Millet.
 Tung Shan Exhibit Asso. Millet.
 Wong Wen Che. Millet.
 Yen Zing Shien. Millet.
 Chu Peng Dau. Millet.
 Wong Min Chuh. Millet.
 Shaw District Agric. Asso. Millet.
 Chang Fook Tsing. Millet.
 Hu Ye Ke. Millet.
 Wong Kwong Tseng. Millet.
 Pee District Agric. Asso. Millet.
 Loh Mu Yang. Millet.
 Dung Hai Agric. Asso. Millet.
 Wu Yung Fu. Millet.
 Shu Tuh Ying. Sorghum.
 Wong Wen Che. Sorghum.
 Chu & Yen. Sorghum.
 Yang Hung Kin. Sorghum.
 Kia Ting Chamber of Commerce. Corn.
 Wong Tze Hur. Corn.
 Wong Wen Che. Corn.
 Shinghua Agric. Asso. Barley.
 Kwang Chamber of Commerce. Barley.
 Sze Nung Ying. Barley.
 Sze Tai Yung. Barley.
 Chow Wen Ming. Barley.
 Char Tuh Mu. Barley.
 Kiangpui Agric. Asso. Wheat.
 Dung Shan Exhibit Asso. Buckwheat.
 Dung Shan Exhibit Asso. Corn.
 Yun Lih Dien. Corn.
 Kwang Chamber of Commerce. Wheat.
 Kiangpui Agric. Asso. Sesamum seed.
 Shu Sze Low. Wheat.
 Tai Chon Agric. Asso. Sesamum seed.
 Sze Nung Ying. Wheat.
 Kia Ting Chamber of Com. Sesamum seed.
 Sze Nung Ying. Wheat.
 Sze Nung Ying. Sesamum seed.
 Ho 2 Kiang Agric. Asso. Wheat.
 Wong Yue Zing. Sesamum seed.
 Tung Ming Kung. Wheat.
 Dung Hai Agric. Asso. Sesamum seed.
 Wu Kwok Tsung. Wheat.
 Kiangpui Agric. Asso. Legumes and their seed.
 Wong Tze Hui. Wheat.
 Kwong Nui Agric. Asso. Legumes and their seed.
 Tung Shan Exhibit Asso. Wheat.
 Lee Bo Chei. Legumes and their seed.
 Yen Tsung Shung. Wheat.
 Loh Jui Ho. Legumes and their seed.
 Sung Kyan Agric. Asso. Legumes and their seed.
 Kiu Ting Agric. Asso. Legumes and their seed.
 Kia Tung Chamber of Commerce. Legumes and their seed.
 Chung Men District. Legumes and their seed.
 Lau Du Rice Co. Legumes and their seed.
Province of Kwangsi. Lung Sui Rice.
 Chin Dai Yang. Rice.
 Lee Wen Sui. Rice.
 Wu Poh Sung. Rice.
 Lee Sze Tung. Rice.
 Chang Chao Hwei. Rice.
 Liang Tung Chang. Rice.
 Tai Yang Lung. Rice.
 Exhibit Asso. Vegetables and their seed.
Province of Kiangsi. Sung Chien Exhibit Asso. Rice.
 Ye Yuen San. Rice.
 Agricultural Asso. Legumes and their seed.
 Exhibit Asso. Vegetables and their seed.
Province of Kwangtung. Wong Chun Kwong Agric. Exp. Sta. Rice.

Chung Fung Co. Wheat.
 Agric. Exp. Sta. Wheat.
 Agric. Exp. Sta. Barley.
 Agric. Exp. Sta. Sesamum seed.
 Agric. Exp. Sta. Legumes and their seed.
 Agric. Exp. Sta. Vegetables and their seed.
Province of Kweichow. School of Agric. & Forestry. Rice.
 Agric. Exp. Sta. Rice.
 Prov. Agric. Asso. Rice.
 Agric. Exp. Sta. Legumes and their seed.
Province of Kwongtung. Agric. Exp. Sta. Millet.
 Agric. Exp. Sta. Sorghum.
Province of Hellung Kiang. Exhibit Asso. Wheat.
 Exhibit Asso. Legumes and their seed.
 Exhibit Asso. Barley.
 Exhibit Asso. Sorghum.
Province of Szechuen. Agric. Exp. Sta. Rice.
 Agric. Exp. Sta. Corn.
 Agric. Exp. Sta. Legumes and their seed.
Province of Yunnan. Agric. Asso. Rice.
 Exhibit Asso. Legumes and their seed.
Province of Kirin. Dung Ching Shan. Legumes and their seed.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED**Province of Chekiang**

Woo Veng Ming. Sea Weed. Ed. Pr. Pal.
 Woo Yu Chong. Sea Weed. Ed. Pr. Pal.

Province of Honan

Chang Tz Ming. Medical Root Crop. Ed. Pr. Pal.

Province of Kwangsi

Chow Teh Yuen. Fungus. Ed. Pr. Pal.

Province of Hunan

Yu Cheng Shien. Mushrooms. Ed. Pr. Pal.

Province of Anhui. Anhui Exhibit Asso.

Dyes.
 Lung Fu Te. Herbaceous medicine.
 Yu Tai District. Herbaceous medicine.
 Chang Chow District. Herbaceous medicine.
 Lee Kiang District. Herbaceous medicine.
 Cho Tung Tsh Tung. Herbaceous medicine.
 Hui Sze District. Herbaceous medicine.
 Chang Tsh. Herbaceous medicine.
 Keung Tsh. Herbaceous medicine.
 Hu District. Herbaceous medicine.
 Kwei Sze District. Herbaceous medicine.
 Shen Chih. Herbaceous medicine.
 Sok Sze District. Herbaceous medicine.
 Hung Sze. Herbaceous medicine.
 Wei Yang. Herbaceous medicine.
 Tung Tung Chamber of Commerce. Herbaceous medicine.
 Shen District. Herbaceous medicine.
 Kiang Tai District. Herbaceous medicine.
 Hui Wei District. Herbaceous medicine.
 Yen Yang District. Herbaceous medicine.
 Cho District. Herbaceous medicine.
 Shen Chow District. Herbaceous medicine.
 Tai Tung Chamber of Commerce. Herbaceous medicine.
 Chung Yang District. Herbaceous medicine.
 Hu Kai Wen. Herbaceous medicine.

Province of Chekiang. Chekiang Exhibit Asso. Dyes.

Chekiang Exhibit Asso. Herbaceous medicine.
 Agric. Exp. Sta. Herbaceous medicine.

Province of Hunan. Hunan Exhibit Asso. Herbaceous medicine.

Province of Honan. Tai Ho Ling Monastery. Herbaceous medicine.

Province of Kiangsu. Wong & Ching. Dyes. Shin Hwa Chamber of Commerce. Dyes.

Yu Yu Tai. Dyes.
Chow Yu Wu. Dyes.

Kung Kwang Hu. Dyes.
Po Ying Agric. Asso. Herbaceous medicine.

Kia Ting Chamber of Commerce. Herbaceous medicine.

Mow Hui Kwang. Herbaceous medicine.
Ding Yit Fee. Herbaceous medicine.

Da Yu Fung. Herbaceous medicine.
Wang An Tong Co. Herbaceous medicine.

Chang Tse Nung. Herbaceous medicine.
Ying Tse Chur. Herbaceous medicine.

Hu Bu Zang. Herbaceous medicine.
Kwang Tse Tong Co. Herbaceous medicine.

Sin Lih Su. Herbaceous medicine.

Province of Kwangsi. Kwangsi Exhibit Asso. Dyes.

Kwangsi Exhibit Asso. Herbaceous medicine.

Province of Kweichow. Kweichow Exhibit Asso. Dyes.

Kweichow Exhibit Asso. Herbaceous medicine.

Province of Chihli. Yuen Sheng Yung. Herbaceous medicine (screen).

Chili Agric. Asso. Herbaceous medicine.
Chili Exhibit Asso. Herbaceous medicine.

Province of Kirin. Dung Ching San. Herbaceous medicine.

Fong Lan Shiu. Herbaceous medicine.

Province of Kwangtung. Agric. Exp. Sta. Herbaceous medicine.

Province of Shensi. Shensi. Herbaceous medicine (screen).

Province of Yunnan. Yunnan Exhibit Asso. Herbaceous medicine.

GROUP 132

Province of Anhui. Individual Exhibitors. Hemp and flax.

Hu Chung Lee. Hemp and flax.

Yang Tung Chen. Feathers, down, etc.

Sze Chung Fah. Feathers, down, etc.

Char Ping Nam. Feathers, down, etc.

Yang Yung Kee. Feathers, down, etc.

Chungking Chamber of Com. Feathers, down, etc.

Sze Chang. Feathers, down, etc.

Tsen Mur Chang Co. Pigs' bristles.

Province of Chekiang. Cha Pu Agric. Asso. Cotton.

Sung Wan Ching. Cotton.

Sung Lan Yen. Cotton.

Sung Ying Chow. Cotton.

Hai Yen Chamber of Commerce. Cotton.

Agric. Exp. Sta. Cotton.

Wei Sze Shu. Cotton.

Chen Hal Agric. Asso. Hemp and flax.

Kai Hwa Exhibit Asso. Hemp and flax.

Kai Shen Chamber of Com. Hemp & flax.

Ting Shen Ho Co. Hemp and flax.

Agric. Exp. Sta. Hemp and flax.

Yu Ying Fung. Hemp and flax.

Cha Pu Agric. Asso. Hemp and flax.

Chen Hong Chang Co. Wool.

Wong Kan Tai Co. Wool.

Yan Wei Chow. Wool.

Tah Tse Lang. Feathers, down, etc.

Chihli. Various Districts. Cotton.

Exhibitors. Cotton.

Hemp and flax.

riest. Hemp and flax.

amber of Com. Hemp & flax.

Chen Wha District. Hemp and flax.

Zung Chur Agric. Asso. Hemp and flax.

Shen Hwa District. Hemp and flax.

Ye Shin Chang. Hemp and flax.

Sung Tze Ching. Wool.

Province of Hupeh. Individual Exhibitors. Cotton.

Agric. School. Hankow. Hemp and flax.

Hunan Exhibit Asso. Hemp and flax.

Exhibit Asso. Wool.

Tong Yee Chang Co. Pigs' bristles.

Yih Chang Co. Pigs' bristles.

Yung Foh Sung. Pigs' bristles.

Yung Shin Shen. Pigs' bristles.

Province of Hunan. Chien District. Hemp and flax.

Fong Wong Ting District. Hemp and flax.

Province of Kiangsu. Ho Hung Mur. Cotton.

Kih Yung Tong. Cotton.

Namtung Agric. School. Cotton.

Namtung Agric. Co. Cotton.

Namtung Agric. Asso. Cotton.

Kwoh Ye Chien. Cotton.

Nan Ling Agric. Asso. Cotton.

Tung Liu Exhibit Asso. Cotton.

Individual Exhibitors. Hemp and flax.

Tien Fung Hung. Wool.

Yuen Fung Hung. Wool.

Loh Vee Kee. Wool.

Tien Chang Chuen. Wool.

Sung Ching Chang. Feathers, down, etc.

Tai Yung Shen Co. Feathers, down, etc.

Yuen Tai Chang Co. Feathers, down, etc.

Loh Vee Kee. Feathers, down, etc.

Wong Pu Kee Co. Feathers, down, etc.

Ting Chen Ching. Feathers, down, etc.

Chand Soh Ping. Feathers, down, etc.

Chang Tsen Dngg. Feathers, down, etc.

Hung Shen Tai Co. Pigs' bristles.

Wan Chon Co. Pigs' bristles.

Province of Kwantung. Agric. Exp. Sta. Cotton.

Agric. Exp. Sta. Hemp and flax.

Province of Kiangsi. Nanchong Agric. Exp. Sta. Cotton.

Sing Yu Exhibit Asso. Cotton.

Wei Sioh Fong. Feathers, down, etc.

Nanchong Exhibit Asso. Feathers, down, etc.

Province of Kwangsi. Individual Exhibitors. Hemp and flax.

Province of Funtien. Funtien Exhibit Asso. Hemp and flax.

Province of Fengtien. Fengtien Agric. Exp. Sta. Wool.

Fengtien Exhibit Asso. Pigs' bristles.

Province of Fukien. Yuen Hung Co. Feathers, down, etc.

Province of Szechuen. Chungking Institute of Com. Pigs' bristles.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Province of Chihli. Cent. Agric. Exp. Sta. Useful and injurious insects.

Cent. Agric. Exp. Sta. Vegetable parasites from plants.

Cent. Agric. Exp. Sta. Methods for destroying plant diseases and injurious insects.

Cent. Agric. Exp. Sta. Cocoons, silk eggs, etc.

Province of Chekiang. Wong Zao Yuen. Cocoons.

Yih Shing Co. Cocoons.

Chow Ping. Silk worm specimens.

Dau Sing Zysu. Cocoons, silk.

Chung Yoh Sae. Cocoons.

Tung Chang Shen. Cocoons.
Lai Yuen Mur. Cocoons.
Shu Yih Yung. Cocoons.
Ku Kwang Yung. Cocoons.
Shih Ping Tze. Silk worm eggs.
Kiu Chen Cocoon Co. Cocoons.
Shu Sze Myen. Cocoons.
Lee Chung Cih. Silk industry model.
Chung Long Sun. Silk worm industry model.

Agric. Exp. Sta. Cocoons, silk and silk worm eggs.
Hu Kwan Fu. Bees-wax.

Province of Kiangsi. Agric. Exp. Sta. Cocoons, silk worm eggs, silk worm charts.
Nanchan Agric. School. Cocoons.
Ladies' Silkworm Institute. Cocoons.

Province of Kiangsu. Chen Chi Yung. Cocoons.

Wu Ching Cocoon Co. Cocoons.
Wusih District. Cocoons.
Namtung Agric. Asso. Cocoons.
Rukes Agric. Asso. Cocoons.
Chen Yen Ching. Cocoons, colored.
Wusih Cocoon Association. Silk worm raising charts.

Province of Kwangtung. Agric. Ex. Sta. Cocoons and silk worm eggs.

Province of Kweichow. Kweichow Agric. School. Cocoons.

Province of Yunnan. Various Districts. Cocoons, silk worm eggs and silk.

Province of Szechuen. Nambu Chamber of Com. Insect wax.
Tai Kai Yuen Co. Insect wax.

GROUP 134

FORESTRY

Province of Chekiang. Agric. Ex. Sta. Photos of trees.

Province of Fentien. Ah Loh Kisang Forestry Co. Forestry photos.

Province of Hunan. Hunan Agric. Asso. Bamboo.

Province of Kwangsi. Woo Po Sen.
Lau Wan Lee.

GROUP 135

FOREST PRODUCTS

Province of Anhui. Hu Chen Tze. Candle wax (extract from tallow tree).
Kwei Sze District. Candle wax (extract from tallow tree).

Yung Tai Ho Co. Candle wax.
Province of Chekiang. Hai Yen Cham. of Com. Lumber.

Tong Yung District. Lumber.
Ching Tien Exhibit Asso. Candle wax (extract from tallow tree).

Sung & Hung. Candle wax (extract from candle tree).

Tsuehchow Cham. of Com. Candle wax (extract from tallow tree).

Ting Wen Tong Co. Candle wax (extract from tallow tree).

Chow Hung Lih. Candle wax (extract from tallow tree).

Lee Fung San. Candle wax (extract from tallow tree).

Wong Ye Shu. Candle wax (extract from tallow tree).

Chiang Zuei Kee. Candle wax.

Wong Po Sung. Candle wax.

Yih Hu Co. Candle wax.

Po Han Co. Candle wax.

Kuh Shao He. Candle wax.

Chu Fuh Ting. Candle wax.

Yai Tung Han. Candle wax.

Lee Zow Hung. Candle wax.

Loh Ye Yung. Candle wax.
Chan Bu Ching. Candle wax.
Sung Yuen Chang. Candle wax.
Wu Yee Cha. Candle wax.
Wong Sien Zuh. Candle wax.

Fung Suei Cham. of Com. Wood oil.

Liu Zor Shing. Wood oil.

Chiang Zuei Kee. Candle wax.

Wong Po Sung. Candle wax.

Yih Hu Co. Candle wax.

Po Han Co. Candle wax.

Kuh Shao He. Candle wax.

Chu Fuh Ting. Candle wax.

Yai Tung Han. Candle wax.

Lee Zow Hung. Candle wax.

Loh Ye Yung. Candle wax.

Chan Bu Ching. Candle wax.

Sung Yuen Chang. Candle wax.

Wu Yee Che. Candle wax.

Wong Sien Zuh. Candle wax.

Province of Fengtien. Ahr Lo Kiang Forest Co. Lumber.

Province of Hunan. Hunan Lumber Co. Lumber.

Province of Hupeh. Hupeh Agric. Exp. Sta. Lumber.

Mar Teh Sen. Lumber.

Hing Shan Cham. of Com. Lumber.

Province of Kiangsi. Chang Kung Tsi. Lumber.

Chang Tuh Tai Lumber Co. Lumber.

Liu Shee Tong. Wood oil.

Province of Kwangsi. Ho Che Fung. Lumber.

Woo Po Sen. Lumber.

Jo Chang Kwang. Lumber.

Ching Sze Zung. Lumber.

Hu Sze Fong. Lumber.

Woo Po Sen. Wood oil (extract from seed of paulownia tree).

Wang Chow Lung. Wood oil.

Ching Sze Zung. Wood oil.

Province of Kwangtung. Kwangtung Exp. Sta. Lumber.

Agric. Ex. Sta. Charcoal.

Agric. Ex. Sta. Wood oil (extract from seed of paulownia tree).

Agric. Ex. Sta. Camphor oil, linseed oil.

Province of Szechuen. Szechuen Agric. Exp. Sta. Lumber.

CUBA

Location: Av. D & 8th St.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Cuban Government. Collective exhibit of agricultural products.

GROUP 135

FOREST PRODUCTS

Cuban Government. Collective exhibit of forest products.

DENMARK

Location: Palace of Varied Industries.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Hertz, Emil. Copenhagen. Canada.

GUATEMALA

Location: Guatemala Pavilion, near Inside Inn, back of Japanese Gardens

GROUP 116

FERTILIZERS

Horjales, C. Guatemala, Department Guatemala. Fertilizer.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Agricultural Department—Guatemala. Cereals, seeds, etc.
 Galindo, E.—Tecpan Dept. Chimaltenango. Wheat.
 Galindo, E.—Tecpan Dept. Chimaltenango. Barley.
 Leonardo, J. M.—Panas Dept. Alta Verapaz. Rice.
 Municipality of Antigua—Antigua Dept. Sacatepequez. Beans.
 Municipality of Alzate—Alzate Dept. Jalapa. Wheat.
 Municipality of Anojigua—Anojigua Dept. Jalapa. Wheat.
 Municipality of Oecilia—Cecilia Dept. Quezaltenango. Beans.
 Municipality of Comalapa—Comalapa Dept. Chimaltenango. Beans.
 Municipality of Coban—Coban Dept. Alta Verapaz—Seeds, beans, etc.
 Municipality of Cumen—Cumen Dept. Quiche. Wheat.
 Municipality of Chimaltenango—Chimaltenango. Cereals.
 Municipality of Guatemala—Guatemala. Seeds, cereals.
 Municipality of Jalapa—Jalapa Dept. Jalapa. Rice.
 Municipality of Jutiapa—Jutiapa Dept. Jutiapa. Rice.
 Municipality of Olinthepeque — Olinthepeque Dept. Quezaltenango. Wheat.
 Municipality of Panzas—Panas Dept. Alta Verapaz. Rice.
 Municipality of Progreso—Progreso Dept. Progreso. Corn.
 Municipality of Quinche—Quinche Dept. Quinche. Beans.
 Municipality of Retalhuleu — Retalhuleu. Wheat.
 Municipality of San Jose—San Jose Dept. Jalapa. Wheat.
 Municipality of San Marcos—San Marcos. Rice, wheat.
 Municipality of San Martin—San Martin Dept. Retalhuleu. Rice.
 Municipality of San Sebastian—San Sebastian. Rice.
 Municipality of Salcaja—Salcaja Dept. Quezaltenango. Beans.
 Municipality of Samayac—Samayac Dept. Suchitepequez. Wheat.
 Municipality of Sija—Sija Dept. Suchitepequez. Melon seed.
 Municipality of Totonicapan — Totonicapan. Oats.
 Municipality of Zacapa—Zacapa. Corn.
 Motina, Jose A.—Jutiapa Dept. Jutiapa. Rice.

Pira, Axel—Tecpan Dept. Chimaltenango. Barley.

Rosales, Justo—Mulua Dept. Retalhuleu. Barley.

Sacar, Miguel—San Sebastian Dept. San Sebastian. Barley.

Sosa, Francisco—Patzum Dept. Chimaltenango. Bran.

Vasquez, Silverio—Mulua Dept. Retalhuleu. Rice.

HONDURAS

Location: Near Inside Inn, back of Japanese Gardens

GROUP 117.

TOBACCO

Alvarado, Santos—Dulce Nombre, Copán. Tobacco.
 Agaton, Torres—Trinidad. Tobacco.
 Aguilar, Dionisio—Trinidad. Tobacco.
 Cano, Rafael—Santa Rosa. Tobacco.
 Correa, Antonio—Veracruz. Tobacco.
 Escuela Nacional de Cultivos—Danlí, El Paraiso. Tobacco.
 Escobar, Salvador—Trinidad. Tobacco.
 Escuela Nacional de Fabricación—Tegucigalpa. Tobacco.
 Garcia, Abel—Trinidad. Tobacco.
 Government—Tegucigalpa. Tobacco.
 La Copaneca—Santa Rosa. Tobacco.
 La Oubana—Santa Rosa. Tobacco.
 La Nacional—Santa Rosa. Tobacco.
 La Carmela—Tegucigalpa. Tobacco.
 Municipalidad Veracruz, Copán. Tobacco.
 Municipalidad Jesús de Otoro. Tobacco.
 Municipalidad La Union. Tobacco.
 Municipalidad La Encarnación. Tobacco.
 Municipalidad Victoria. Tobacco.
 Municipalidad El Conal. Tobacco.
 Municipalidad Santa Rita. Tobacco.
 Municipalidad San Jose. Tobacco.
 Municipalidad Duce Nombre. Tobacco.
 Ramirez, G., Alfonso Ma—Tegucigalpa. Tobacco.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Alcantara, Angel B.—Danlí. Beans.
 Benitez, Felipe—El Corpús. Coffee.
 Ferrari, Jose—Tegucigalpa. Maize.
 Morel, Salvador—Petoa. Rice, Beans.
 Morel, Jose Maria—Petoa. Beans.
 Marcos Chacón—Petoa. Coffee.
 Mondragon, Teofilo—El Corpús. Coffee.
 Municipalidad Magdalena. Beans.
 Municipalidad Yamaranguila. Potatoes.
 Municipalidad Intibuca. Beans and Coffee.
 Municipalidad La Esperanza. Maize.
 Municipalidad Colomencagua. Maize, Rice, Beans.
 Municipalidad Yoro. Maize and Coffee.
 Municipalidad Mercedes. Rice, Coffee.
 Municipalidad Oropoli. Rice, Coffee.
 Municipalidad La Unión. Rice, Coffee.

Municipalidad Fraternidad. Rice, Beans, Coffee.
Municipalidad Santa Fe. Rice, Beans, Coffee.
Municipalidad Colomoncagua. Rice, Beans, Coffee.
Municipalidad Concepcion. Rice, Beans, Coffee.
Municipalidad Jesús de Otoro. Rice, Beans, Coffee, Cocoa.
Municipalidad San Antonio. Rice, Beans.
Municipalidad San Jose. Rice.
Municipalidad San Juan. Rice, Beans, Coffee.
Municipalidad Camasca. Rice, Beans, Maicillo.
Municipalidad La Venta. Rice, Beans, Maicillo, Coffee.
Municipalidad San Miguelito. Beans, Coffee.
Municipalidad Corquín. Coffee.
Municipalidad El Corpú. Coffee.
Municipalidad Namasigue. Coffee.
Municipalidad El Paraiso. Coffee.
Municipalidad La Encarnación. Coffee.
Municipalidad San Jose. Coffee.
Municipalidad Lepaterique. Coffee.
Municipalidad Gracias. Coffee.
Municipalidad Negrito. Coffee.
Municipalidad San Pedro. Coffee.
Municipalidad Jacoón. Coffee.
Municipalidad San Lucas. Coffee.
Municipalidad Santa Lucia. Coffee.
Municipalidad Sulaco. Coffee.
Municipalidad Morazan. Cocoa.
Municipalidad Belén. Coffee.
Municipalidad Arenal. Coffee, Cocoa.
Municipalidad Colohete. Coffee, Cocoa.
Municipalidad Yorito. Coffee, Cocoa.
Municipalidad Cololaca. Coffee, Cocoa.
Municipalidad San Nicolás. Zante Seed.
Rodríguez, Florencio. Coffee, Guaimaca.
Sanchez, Petronilo. Wheat.
Zepeda, Julio. Coffee, Orocuina.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

Alcantara, Angel B.—Dunli, El Paraiso. Collection of Medicinal Plants.
Gobierno de la Republica—Tegucigalpa. Collection of Medicinal Plants.
Guaimaca—Tegucigalpa. Collection of Medicinal Plants.
Godoy, Cirilo—Potrerillos. Collection of Medicinal Plants.
Irias, Jose Maria—Potrerillos. Collection of Medicinal Plants.
Junta Patriótica—Comayaguela. Collection of Medicinal Plants.
Junta Patriótica—Juticalpa. Collection of Medicinal Plants.
La Economica—Tegucigalpa. Collection of Medicinal Plants.
Mariano Guillén—Trujillo. Collection of Medicinal Plants.
Ministerio de Fomento—Tegucigalpa. Collection of Medicinal Plants.
Municipalidad Ocuayagua. Collection of Medicinal Plants.

Municipalidad La Union. Collection of Medicinal Plants.
Municipalidad El Paraiso. Collection of Medicinal Plants.
Municipalidad San Jose. Collection of Medicinal Plants.
Municipalidad San Nicolas. Collection of Medicinal Plants.
Municipalidad Veracruz. Collection of Medicinal Plants.
Municipalidad Nueva Arcadia. Collection of Medicinal Plants.
Municipalidad La Venta. Collection of Medicinal Plants.
Municipalidad San Juan de Flores. Collection of Medicinal Plants.
Municipalidad Yorito. Collection of Medicinal Plants.
Municipalidad Morazan. Collection of Medicinal Plants.
Municipalidad Sulaco. Collection of Medicinal Plants.
Municipalidad Progreso. Collection of Medicinal Plants.
Municipalidad Olanchito. Collection of Medicinal Plants.
Municipalidad Colomoncagua. Collection of Medicinal Plants.
Municipalidad Jesus de Otoro. Collection of Medicinal Plants.
Municipalidad Concepcion. Collection of Medicinal Plants.
Municipalidad Santa Lucia. Collection of Medicinal Plants.
Municipalidad Yamaranguila. Collection of Medicinal Plants.
Municipalidad Magdalena. Collection of Medicinal Plants.
Municipalidad Intibuca. Collection of Medicinal Plants.
Municipalidad San Juan. Collection of Medicinal Plants.
Municipalidad Masaguara. Collection of Medicinal Plants.
Municipalidad Camasca. Collection of Medicinal Plants.
Municipalidad San Marcos de Sierra. Collection of Medicinal Plants.
Municipalidad San Miguelito. Collection of Medicinal Plants.
Municipalidad Santa Lucia. Collection of Medicinal Plants.
Municipalidad Sanaguera. Collection of Medicinal Plants.
Municipalidad Iruña. Collection of Medicinal Plants.
Municipalidad Balfate. Collection of Medicinal Plants.
Municipalidad Trujillo. Collection of Medicinal Plants.
Municipalidad San Marcos de Colon. Collection of Medicinal Plants.
Municipalidad Pespire. Collection of Medicinal Plants.
Municipalidad Santa Ana. Collection of Medicinal Plants.
Municipalidad Yaguare. Collection of Medicinal Plants.
Municipalidad Cholutoa. Collection of Medicinal Plants.

Municipalidad Concepcion de Maria. Collection of Medicinal Plants.
 Municipalidad Guarita. Collection of Medicinal Plants.
 Municipalidad San Sebastian. Collection of Medicinal Plants.
 Municipalidad El Conal. Collection of Medicinal Plants.
 Municipalidad Las Flores. Collection of Medicinal Plants.
 Municipalidad Lepaera. Collection of Medicinal Plants.
 Municipalidad Cololaca. Collection of Medicinal Plants.
 Municipalidad La Iguala. Collection of Medicinal Plants.
 Municipalidad San Andres. Collection of Medicinal Plants.
 Municipalidad San Francisco. Collection of Medicinal Plants.
 Municipalidad La Virtud. Collection of Medicinal Plants.
 Municipalidad Gualcince. Collection of Medicinal Plants.
 Municipalidad Gracias. Collection of Medicinal Plants.
 Municipalidad Belen. Collection of Medicinal Plants.
 Municipalidad San Jorge. Collection of Medicinal Plants.
 Municipalidad Catacamas. Collection of Medicinal Plants.
 Municipalidad Manto. Collection of Medicinal Plants.
 Ordoñez, Federico—Trujillo. Collection of Medicinal Plants.
 Ramirez, Carmen Maria del—Tegucigalpa. Collection of Medicinal Plants.
 Rivas, Jose Antonio—Iriona. Collection of Medicinal Plants.
 Vazquez, Salvador—La Paz. Collection of Medicinal Plants.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Alcantara, Angel E.—Danli. Inedible Agricultural Products.
 Guillen, Mariano—Trujillo. Inedible Agricultural Products.
 Fontecha Maria Luis E.—Tegucigalpa. Cotton.
 Municipalidad Comayaguela. Oak.
 Municipalidad San Juan de Flores. Nance Bark.
 Municipalidad Guaimaca. Plants containing tannin and dyes.
 Municipalidad Sanata Lucia. Plants containing tannin and dyes.
 Municipalidad Magdalena. Plants containing tannin and dyes.
 Municipalidad Colomencagua. Plants containing tannin and dyes.
 Municipalidad San Antonio. Plants containing tannin and dyes.
 Municipalidad Masaguara. Plants containing tannin and dyes.
 Municipalidad Intibuca. Plants containing tannin and dyes.
 Municipalidad San Marcos de Sierra. Plants containing tannin and dyes.
 Municipalidad Concepcion. Plants containing tannin and dyes.
 Municipalidad Jesus de Otero. Plants containing tannin and dyes.

Municipalidad Dolores. Plants containing tannin and dyes.
 Municipalidad Yamaranguila. Plants containing tannin and dyes.
 Municipalidad San Juan. Plants containing tannin and dyes.
 Municipalidad San Jose. Plants containing tannin and dyes.
 Municipalidad Marcovia. Plants containing tannin and dyes.
 Municipalidad Morolica. Plants containing tannin and dyes.
 Municipalidad San Jose. Plants containing tannin and dyes.
 Municipalidad Nueva Arcadia. Plants containing tannin and dyes.
 Municipalidad San Antonio. Plants containing tannin and dyes.
 Municipalidad Manto. Plants containing tannin and dyes.
 Municipalidad Catacamas. Plants containing tannin and dyes.
 Municipalidad Juticalpa. Plants containing tannin and dyes.
 Municipalidad Yoro. Plants containing tannin and dyes.
 Municipalidad Arenal. Plants containing tannin and dyes.
 Municipalidad Lepaera. Plants containing tannin and dyes.
 Municipalidad Moroceli. Plants containing tannin and dyes.

GROUP 134

FORESTRY

Alcantara, Angel E.—Danli. Collection of Woods.
 Gamero, Luis—Danli. Collection of Woods.
 Hernandez, Serapio y H.—Tegucigalpa. Collection of Woods.
 Irias, Ciriaco—Potrerillo. Collection of Woods.
 Municipalidad San Antonio. Collection of Woods.
 Municipalidad El Paraiso. Collection of Woods.
 Municipalidad Veracruz. Collection of Woods.
 Municipalidad Florida. Collection of Woods.
 Municipalidad Nueva Arcadia. Collection of Woods.
 Municipalidad La Union. Collection of Woods.
 Municipalidad San Pedro. Collection of Woods.
 Municipalidad El Dulce Nombre. Collection of Woods.
 Municipalidad Cocuyagua. Collection of Woods.
 Municipalidad San Nicolas. Collection of Woods.
 Municipalidad Copan. Collection of Woods.
 Municipalidad Santa Rita. Collection of Woods.
 Municipalidad Trinidad. Collection of Woods.
 Municipalidad Concepcion. Collection of Woods.
 Municipalidad Pespire. Collection of Woods.
 Municipalidad Marcovia. Collection of Woods.
 Municipalidad El Triunfo. Collection of Woods.
 Municipalidad Apacilagua. Collection of Woods.
 Municipalidad Morolica. Collection of Woods.
 Municipalidad Trujillo. Collection of Woods.
 Municipalidad Iriona. Collection of Woods.
 Municipalidad Balfate. Collection of Woods.

Municipalidad Aguan. Collection of Woods.
 Municipalidad San Cristobal. Collection of Woods.
 Municipalidad El Conal. Collection of Woods.
 Municipalidad Las Flores. Collection of Woods.
 Municipalidad Belen. Collection of Woods.
 Municipalidad Cololaca. Collection of Woods.
 Municipalidad Yamaranguila. Collection of Woods.
 Municipalidad San Miguelito. Collection of Woods.
 Municipalidad Dolores. Collection of Woods.
 Municipalidad Sanata Lucia. Collection of Woods.
 Municipalidad San Juan. Collection of Woods.
 Municipalidad La Union. Collection of Woods.
 Municipalidad Jesca de Otoro. Collection of Woods.
 Municipalidad La Esperanza. Collection of Woods.
 Municipalidad Masaguara. Collection of Woods.
 La Economica—Texucigalpa. Turpentine.
 Municipalidad Yamaranguila. Collection of Woods.
 Gobernacion Politica—Roatan. Collection of Woods.
 Municipalidad Roatan. Collection of Woods.
 Municipalidad Manto. Collection of Woods.
 Municipalidad Catacamas. Collection of Woods.
 Municipalidad San Esteban. Collection of Woods.
 Municipalidad Guayape. Collection of Woods.
 Municipalidad Silca. Collection of Woods.
 Municipalidad Dulce Nombre. Collection of Woods.
 Municipalidad Juticalpa. Collection of Woods.
 Municipalidad Moroceli. Collection of Woods.
 Municipalidad Lepaterique. Collection of Woods.
 Municipalidad San Juan de Flores. Collection of Woods.
 Municipalidad Comayaguela. Collection of Woods.
 Municipalidad La Venta. Collection of Woods.
 Municipalidad Guaimaca. Collection of Woods.
 Municipalidad Gracias. Collection of Woods.
 Municipalidad Nacaome, Valle. Collection of Woods.
 Municipalidad Olanchito. Collection of Woods.
 Municipalidad Morazan. Collection of Woods.
 Municipalidad Yorito. Collection of Woods.
 Municipalidad Yoro. Collection of Woods.
 Municipalidad Arenal. Collection of Woods.
 Martinez, Antonio—Potrerillos. Collection of Woods.
 Rodriguez, Ventura—Potrerillos. Collection of Woods.
 Ruiz, Miguel A.—La Paz. Collection of Woods.

JAPAN

Location: Aves. C & D, bet. 1st & 2nd Sts.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

Chojiro Murakami—Ehime. Wood Wax.
 Deijiro Nakagawa—Ehime. Wood Wax.

Eisuko Shimizu—Hyogo. Wood Wax.

Higo Seiro Kabushiki Kaisha—Kumamoto. Wood Wax.

Noshomusho Nomukyoku—Specimens of agricultural products. Annual statistics.

Noshomusho Suisan Kyoku—Models of fishing boats, fishery. Specimens of aquatic products. Statistics.

Yoshikichi Mineoil—Ehime. Wood Wax.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Bunichi Kitagaki—Shinano. Paulownia Oil.

Chujiro Yagi—Saga. Camellia Oil.

Chukichi Furuyama—Osaka. Sorghum.

Daisu Hyobaku Kabushiki Kaisha—Aichi. Bean Oil.

Eizo Mizoye—Nagasaki. Camellia Oil.

Goshikaisha Notogowa Seiyu-Jo—Shiga. Vegetable Oil.

Goshikaisha Yokkaichi Seiyu-Jo—Miyagi. Vegetable Oil.

Hirano Daisu Kogyo Kabushiki Kaisha—Hyogo. Bean Oil.

Hojji Hiraso—Hyogo. Sesame Oil.

Hokkai Seiyu Kabushiki Kaisha—Hokkaido. Vegetable Oil.

Kahel Uyeda—Kumamoto. Camellia Oil.

Kamomatsu Okuda—Aichi. Bean Oil.

Kagoshimaken Seiyu Kabushiki Kaisha—Kagoshima. Vegetable Oil.

Kamejiro Ishibashi—Shinano. Paulownia Oil.

Kazuma Ishii—Nagasaki. Camellia Oil.

Minosuko Tsuchiya—Chiba. Paulownia Oil.

Misaburo Kinbara—Tokyo. Camellia Oil.

Nozawagumi—Kanagawa. Vegetable Oil.

Ono Yusho Kabushiki Kaisha—Aichi. Vegetable Oil.

Otaru Seiyu Kabushiki Kaisha—Hokkaido. Vegetable Oil.

Pukuiken Seiyugyo Kumiai—Fukuoka. Paulownia Oil.

Saburo Oguri—Aichi. Bean Oil.

Sadajiro Yoshiwara—Osaka. Vegetable Oil.

Settsu Seiyu Kabushiki Kaisha—Osaka. Vegetable Oil.

Shinjiro Nishimura—Kagoshima. Vegetable Oil.

Shinasaburo Nonaka—Saga. Camellia Oil.

Sotyu Seimai Kabushiki Kaisha—Aichi. Bean Oil.

Suezo Akaboshi—Kumamoto. Camellia Oil.

Sugiji Shokai—Aichi. Bean Oil.

Taniya Gomeikaisha Shucchocho—Fukuoka. Vegetable Oil.

Tomihei Kamakuchi—Nagasaki. Camellia Oil.

Torajiro Watase—Tokyo. Seeds. Hort. Pal., Av. A, cor. 4th St.

Torajiro Inoue—Hyogo. Bean Oil.

Toyo Shuhyo Shokai—San Francisco. Seeds.

Yosaku Nagamatsu—Nagasaki. Camellia Oil.

Yoshizo Honma—Chiba. Paulownia Oil.

Yoshizo Watanabe—Chiba. Paulownia Oil.

Yosuko Koga—Osaka. Sorghum.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

Matsuyo Urimatsusho Kumiai—Shimane. Sea Weed.
 Shizuoka Shoga, Hechima, Togarashi Bakkasei Dogyo Kumiai—Shizuoka. Gourd.
 Nozawa Gumi—Kanagawa. Gourd.
 Sahel Ukida—Okayama. Gold Nuts.
 Yasujiro Sumikawa—Yamaguchi. Gold Nuts.
 Kumano Sanrinkai—Wakayama. Gold Nuts.
 Higashi Marugun Ringyokai—Wakayama. Gold Nuts.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Tomoyasu Hirano—Tokyo. Fish Oil.
 Chitaro Ito—Osaka. Cod Liver Oil.
 Kyoto Goshikaisha—Osaka. Cod Liver Oil.
 Kyoto, Osaka, Hyogo, Kanton Suisan Kumiai—Osaka. Isinglass.
 Nozawa Gumi—Kanagawa. Fish Oil.
 Shinno Kanton Suwa Suisan Kumiai—Nagano. Isinglass.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Abe Shoton—Kanagawa. Feathers.
 Nippon Hiko Kabushiki Kaisha—Tokyo. Feathers.
 Giransho Wokai—Giran. Taro Hemp.
 Shinchiku Sho Nokai—Shinchiku. Taro Hemp.
 Tainancho Nokai—Tainan. Taro Hemp.

GROUP 133

Agricultural Bureau of the Department of Agriculture & Commerce—Tokyo. Models statistics, photographs, pictures and printed matters relating to Sericulture. In the Special Exhibit Hall in the Japanese Garden.

Yesakui Hori—Nagano. Silkworm Oil.
 Yugen Sekimin Shinyo Hanbai Kobai Kumiai Yoda Gumi—Nagano. Silkworm Oil.

GROUP 134

FORESTRY

Noshomusho Sanrin Kyoku—Model showing the distribution of forests in Japan. Specimens of principal woods in Japan. Specimens of products.

GROUP 135

FOREST PRODUCTS

Mitsui Bussan Kaisha—Tokyo. Lumber.
 Takesei Goshikaisha—Tokyo. Bamboo.
 Cho Yui—Tokyo. Marquetry.
 Moritaro Takachi—Tokyo. Lumber.
 Chujiro Aiba—Tokyo. Lumber.
 Kyoto Takecho Kumiai—Kyoto. Bamboo.
 Masuda Goshikaisha—Kanagawa. Lumber.
 Taisuke Osada—Hyogo. Bamboo.
 Kobe Seishika Kabushiki Kaisha—Hyogo. Bamboo.

Harunosuke Shima—Ebaragi. Charcoal.
 Kichijiro Asano—Aichi. Veneer Wood.
 Nippon Gakki Seiso Kabushiki Kaisha—Shizuoka. Veneer Wood.
 Chujiro Segawa—Shiga. Bamboo.
 Hagi Chikuzai Kabushiki Kaisha—Yamaguchi. Bamboo.
 Hidakagun Mokutan Dogyo Kumiai—Wakayama. Charcoal.
 Nishimurogun Mokutan Dogyo Kumiai—Wakayama. Charcoal.
 Hidaka Kokuchiku Hanbai Kumiai—Wakayama. Black Bamboo.
 Jujiro Tamai—Taihoku. Wood Fibre.
 Yugen Sekimin Talko Bouseki Kobai Hanbai Kumiai—Taichu. Wood Fibre.
 Oitaken Mokuro Dogyo Kumiai—Oita. Wood Wax.
 Chikugo Mokuro Dogyo Kumiai—Fukuoka. Wood Wax.
 Chikuzen Mokuro Dogyo Kumiai—Fukuoka. Wood Wax.
 Bunson Mokuro Dogyo Kumiai—Fukuoka. Wood Wax.
 Hizen Mokuro Dogyo Kumiai—Saga. Wood Wax.
 Kitagumi Kawachi Gomei Kaisha—Hyogo. Wood Wax.

MEXICO

Location: 1st St. bet. Aves. C & D

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Mexican National Development Co., Masatlan. Collective exhibit of agricultural products.

NETHERLANDS

Food Products Palace, Av. B, Between 1st and 2nd Sts.

GROUP 110

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

Netherlands East Indian Commission—Netherlands, East Indies. Photographs of Coffee Plantation.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

Netherlands East Indian Commission—Netherlands, East Indies. "Robusta" Rubber.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Termesso Company—The Hague. White Ant Powder. Lib. Arts Pal.

NEW ZEALAND

Location: Aves. C & D, bet. 6th & 8th Sts.

GROUP 114

FARM EQUIPMENT AND METHODS OF IMPROVING LANDS

Automatic Aerial Irrigation Co., Ltd.—Auckland. Automatic aerial irrigation plant.

GROUP 115

AGRICULTURAL IMPLEMENTS AND
FARM MACHINERY

- Anderson's Limited—Christchurch. Dairy farmers' oil engine.
 Elder, Donald—Onehunga. Wire netting fastening machine.
 Evans, F.—Auckland. Flexible combination tripod harrow.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

- Brett Printing & Publishing Co., Ltd.—Auckland. "New Zealand Farmer," monthly agricultural journal.
 Robinson, W. C.—Wellington. Publications of Depts. of Agriculture, Industries & Commerce.

GROUP 120

VEGETABLE FOOD PRODUCTS AND
AGRICULTURAL SEEDS

- Allen, John—Lake Wakatipu, Otago. Barley.
 Armour, A. B.—Ranfurly, Otago. Oats.
 Ballantyne, G.—Mt. Barker, Otago. Barley.
 Ballantyne, D.—Mt. Barker, Otago. Oats.
 Beattie, E.—Ngapuna, Otago. Oats.
 Bleach, T.—Ranfurly. Oats.
 Botting, G.—Ranfurly. Oats.
 Boyd, Thomas, Sen.—Kaikoura. Oats.
 Broughan, W.—Tuamarina. Barley, oats.
 Bussell, A. E.—Rotherham. Oats.
 Canterbury Agricultural College—Lincoln, Canterbury. Wheat.
 Coleman, L.—Ladbrook, Canterbury. Wheat.
 Coop, J. C.—Little River. Grass seed.
 Davis, W.—Ranfurly, Otago. Oats.
 Department of Agriculture, Industries and Commerce—Wellington. Agricultural seeds, wheat, oats, maize, peas, grass seeds, barley, rye-corn.
 Docherty, C.—Ranfurly, Otago. Oats.
 Duncan, D.—Wedderburn. Oats.
 Earl, J. J.—Orari, Canterbury. Wheat.
 Elliott, G.—Mt. Baker, Otago. Wheat, oats.
 Elliott, G.—Mt. Barker, Otago. Wheat, oats.
 Forrester, Thomas—Ranfurly, Otago. Wheat, oats.
 Fulton, James—Awamoa. Oats.
 Garrett, J. G.—Kaikoura. Oats.
 Gordon, John—Garston, Otago. Barley.
 Greive, W.—North Taieri, Otago. Wheat.
 Gynn, Alex.—Racecourse Hill, Canterbury. Wheat, oats.
 Hancox, F.—Mt. Baker, Otago. Wheat.
 Hanson, J. N.—Spotswood, Canterbury. Wheat.
 Harris, J. W.—Kaikoura, Marlborough. Wheat.
 Henderson & Co., Ltd.—Invercargill, Southland. Grass seed, oats.
 Higgins, John—Seddon, Marlborough. Barley.
 Hodgson, W.—Okaramio, Marlborough. Oats.
 Holly Bros.—Leeston. Barley.
 Hounsell, Geo.—Seddon. Oats.
 Kingan, W.—Maungawera, Otago. Wheat.
 Little, James—Ranfurly, Otago. Oats.

MacPherson, A.—Dept. of Agriculture, Christchurch. Silver beet.

MacPherson, John—Totara Estate, Oamaru. Wheat, oats, barley, peas.

McDonald, C.—Crookston. Oats.

McKay, James—Elderslie, Otago. Wheat.

Meeghan, P.—Seddon. Barley.

Miller, John—Mt. Barker, Otago. Barley.

Milne, W.—Hakataramea, Otago. Wheat.

Moynahan—Ngapuna, Otago. Oats.

National Mortgage & Agency Co., Ltd.—Invercargill. Grass seeds.

New Zealand Loan & Mercantile Agency Company, Ltd.—Invercargill—Oats.

O'Brien, D.—Wingatui, Otago. Wheat.

Osborne, G. W. E.—Doyleston, Canterbury. Wheat.

Paterson, C.—Middlemarch. Oats.

Petrie, E. D.—Halawell, Canterbury. Wheat.

Pool, Chas.—Awamoa, Otago. Wheat.

Reynolds, G.—Willowbridge. Oats.

Richards, E.—Waiho Downs. Oats.

Roberts, Mrs. M. J.—Ranfurly. Oats.

Rose, J.—Orari Bridge, Canterbury. Oats.

Ruddenklaus, J. G. A.—Alma, Otago. Wheat.

Scaife, W. A.—Amuri, Culverden. Wheat.

Scott, E. V.—Willowbridge, Canterbury. Wheat.

Shaw, C.—Geraldine Flat. Oats.

Sim, P.—Crookston, Otago. Barley.

Simpson, Mrs. D.—Otiake, Otago. Barley.

Smith, F.—Tuamarina, Marlborough. Wheat, oats.

Smith, W.—Tuamarina, Marlborough. Wheat.

South, F.—Orari Bridge, Canterbury. Wheat.

Southland Farmers' Association—Invercargill, Southland. Oats.

Southland Fescue Growers' Association—Riversdale, Southland. Grass seeds.

Stevens, A. & Co., Ltd.—Dunedin, Otago. Peas, oats, barley, wheat.

Sutherland, D.—Palmerston, Otago. Oats.

Tauranga Experimental Farm, Dept. of Agriculture—Tauranga. Maize.

Voss, H.—Willowbridge. Barley.

Ward, J. G. & Co., Ltd.—Invercargill, Southland. Grass seed, oats.

Waters, Ritchie & Co., Ltd.—Dunedin. Grass seed.

Watson, J. E. & Co., Ltd.—Invercargill, Southland. Grass seed.

Wharton, John—Kauroa Hill, New Zealand. Wheat.

Wilkinson, D.—Geraldine Flat, New Zealand. Wheat.

Wilkinson, T. H.—Spotswood, Canterbury, New Zealand. Wheat.

Williams & Kettle—Napier, New Zealand. Grass seed, maize.

Wood Bros.—Christchurch, New Zealand. Wheat.

Wright, Stephenson & Company, Ltd.—Invercargill, Southland, New Zealand. Grass seed, oats.

Location: New Zealand Pavilion
GROUP 121

APPLIANCES FOR GATHERING WILD
CROPS AND PRODUCTS OBTAINED

- Cranwell, Arthur H.—Auckland, New Zealand. Kauri gum.
Department of Mines (New Zealand Government)—Wellington, New Zealand. Kauri gum.
McCarroll, J. H.—Arapu, New Zealand. Kauri gum.
Mitchelson, Hon. E.—Auckland, New Zealand. Kauri gum.
Patterson, Col. G. W. S.—Auckland, New Zealand. Kauri gum.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

- Allen, G. E.—Masterton. Wool.
Archibald, D.—Cheviot, North Canterbury. Wool.
Beamish, G. E.—Hastings. Wool.
Begg, J. C.—Southland. Wool.
Bethell, M.—Culverden. Wool.
Canterbury Agricultural College — Lincoln. Wool.
Chambers, John—Havelock North. Wool.
Chambers, T. Mason—Havelock North. Wool.
Chaytor & Co., Ltd.—Spring Creek. Hemp (Phormium tenax).
Cochrane, A.—Lumsden, Otago. Wool.
Davies, John—Koputaroa. Wool.
Executor of the Estate of W. Cochrane—Otahuti, Southland. Wool.
Gibson, William—Feilding. Wool.
Gill & Pattinson—Balfour. Hemp (Phormium tenax).
Gordon, F. L.—Clifton, Clive. Wool.
Grant, F.—Whakatane. Wool.
Hayes, J. W.—Waimate. Wool.
Hocking, J. D.—Kiwitea. Wool.
Jacob, W. F.—Kiwitea, Feilding. Wool.
Kalland, E.—Timaru. Wool.
Knight, H. A.—Racecourse Hill. Wool.
Ladbrook, W. G.—Charlton, Southland. Wool.
Leech, C.—Rangiora. Hemp (Phormium tenax).
Lincoln Sheepbreeders' Association of New Zealand—Feilding. Wool.
MacKay, Alex.—Pomahaka. Wool.
Maddren Bros.—Christchurch. Hemp (Phormium tenax).
McIntyre, J. P.—Gore. Wool.
McKenzie, D. & A.—Kauana. Hemp (Phormium tenax).
McLean, E. D. D.—Maraekakaho Station. Wool.
Mills & Mills—Brightlands. Wool.
Moumahaki Experimental Farm, Dept. of Agriculture (New Zealand Gov.)—Moumahaki. Wool.
New Zealand Flaxmillers' Association—Palmerston North. Hemp (Phormium tenax).
Nicholls, Williams & Sons—Belfast, Canterbury. Wool.
Parnassus, Mrs. J. D.—Hastings. Wool.
—Timaru. Wool.
—Takapau. Wool.

- Bonney Marsh Sheepbreeders' Association of New Zealand—Masterton. Wool.
Rutherford, A. W., Jr.—Parnassus, North Canterbury. Wool.
Simpson Bros.—Karamu. Wool.
Small, W. H.—Otane. Wool.
Smith, F. H.—Albury. Wool.
Stead, G. L.—Amberley, North Canterbury. Wool.
Troutbeck, H.—Galatea Station, Auckland. Wool.
Weggery, W. H. & V.—Waikanae. Wool.
Wellington Farmers' Meat Co., Ltd.—Master-ton. Tallow.
Williams & Geraghty—Te Puke. Hemp (Phormium tenax).
Williams, W. T.—Pukehew. Wool.
Withall, A. E.—Brookside, Canterbury. Wool.
Wright, D. G.—Mt. Somers, Canterbury. Wool.
Wright, D. G.—Winslow, Canterbury. Wool.

Location: New Zealand Pavilion

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

- Acton, Adams E.—Heriot, Otago. Wool.
Begg, James—Clinton, Otago. Wool.
Buckland, C. C.—Cambridge. Wool.
Buxton, E. & Co.—Nelson. Hops.
Cameron, J. E. P.—Gleniti. Wool.
Chambers, Mass—Havelock North. Wool.
Chambers, Selwyn—Havelock North. Wool.
Charters, E. S.—Waikanae. Wool.
Clifford, Sir Geo.—Stoneyhurst, Canterbury. Wool.
Collins, A. V.—Otane. Wool.
Dept. of Agriculture, Industries & Commerce—Wellington. "Phormium tenax" plants, wool.
Elliott, E. N.—Middlemarch, Otago. Wool.
Ensor, C. H.—Rangiora. Wool.
Goulter, C.—Hawkesbury. Wool.
Grant, D.—Winchester. Wool.
Grant, D.—Timaru. Wool.
Greenwood, G. D.—Amberley, Canterbury. Wool.
Harding, G. W.—Waipukurau. Wool.
Johnston, G. P.—Waikaka, Southland. Wool.
Johnstone, E.—Motuotaria. Wool.
Levett, C. A. J.—Feilding. Wool.
Little, J.—Woodgrove, North Canterbury. Wool.
Logan, J. B.—Kelso. Wool.
MacFarlane, J. A.—Ben Lomond. Wool.
McKerchar, John—Woodlands. Wool.
McRae, W. W.—Mgr. Glens of Tekoa Estate, Canterbury. Wool.
Monro Bros.—Bankhouse Station, Marlborough. Wool.
Moore, G.—Masterton. Wool.
New Zealand & Australian Land Co.—Moeraki. Wool.
Pannett, T. A.—Roxburgh, Otago. Wool.
Perry, W.—Masterton. Wool.
Ross, David—Palmerston, Otago. Wool.
Ross, James—Palmerston, Otago. Wool.
Ruakura State Farm of Instruction, Dept. of Agriculture (Government of New Zealand)—Hamilton. Wool.
Rutherford, A. W.—Parnassus, Canterbury. Wool.

Shennan, Watson—Puketoi, Otago. Wool.
 Stevenson, James — Flaxton, Marlborough. Wool.
 Strongfellow, J.—Chertsey, Canterbury. Wool.
 Sutherland, D. M.—Waimate. Wool.
 Telford, William—Waiwera South, Otago. Wool.
 Trustees John Douglas Estate—Mt. Royal, Palmerston, Otago. Wool.
 Watts, G.—Lansdowne, Masterton. Wool.
 Weraroa Experimental Farm, Dept. of Agriculture (Gov. of New Zealand)—Levin. Wool.
 Wybournne, W. H.—Whenuakura, Taranaki. Wool.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Director of Orchards, Gardens and Apiaries, Dept. of Agriculture, Industries and Commerce, Wellington. Honey Collection.

GROUP 135

FOREST PRODUCTS

Moon, G. W. Coutts—Christchurch. New Zealand timbers.
 Public Works Department (New Zealand Government)—Wellington. New Zealand timbers. Pal. Agr.

SIAM

Av. of Nations, near Canadian Pavilion
 Location: Siamese Pavilion.

GROUP 117

TOBACCO

Province of Rajburi—Tobacco.
 Royal Agricultural Dept.—Tobacco.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

District of Rajburi—Rice.
 Province of Ayuthia—Rice.
 Province of Bangkok—Cocoanut oil, sessamon oil.
 Province of Bismulok—Various oils from native plants, rice, seeds, etc.
 Province of Chantabun—Seeds.
 Province of Nagora Chaisri—Rice.
 Province of Prachin—Rice.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

Bang Nara Rubber Co., Ltd.—Para rubber.
 District of Bismulok—Rubber.
 District of Chantabun—Gutta percha.
 District of Puket—Wild rubber.
 District of Salun—Wild rubber.
 District of Sriracha—Wild rubber.
 District of Sukhothai—Dyeing extracts.
 Province of Patani—Wild rubber.
 Agricultural Dept.—Resins, paper manufacture, etc.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

District of Pichit—Inedible agricultural products.
 District of Sawankalok—Inedible agricultural products, rope, fiber, etc.
 District of Sukhothai—Inedible agricultural products.
 Province of Ayuthia—Feathers.
 Province of Bismulok—Inedible agricultural products: fibres, ropes, cotton pods.
 Province of Nagora Chaisri—Inedible agricultural products: cotton, etc.
 Province of Puket—Inedible agricultural products: fibres, etc.
 Royal Experiment Station—Inedible agricultural products: fibre, cotton, etc.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Lupsa, Mr.—Beeswax, honey, etc.
 Royal Agricultural Dept.—Silk products.

GROUP 135

FOREST PRODUCTS

Forest Department—Forest products.
 Province of Chantabun—Mangrove bark.
 Province of Nagora Rajasima—Sticklac.
 Royal Agricultural Dept.—Forest products.

SWEDEN

The exhibit of Sweden classified in this Department is installed in the Swedish Building, Avenue of Nations.

URUGUAY

Avenue C, Between 8th and 9th Sts.

GROUP 116

FERTILIZERS

Frigorifico Montevideo—Montevideo. Fertilizers.

GROUP 117

TOBACCO

Bureau of Expositions—Montevideo. Leaf Tobacco.
 Oneto, M. O.—Montevideo. Tobacco.

GROUP 119

THEORY OF AGRICULTURE AND AGRICULTURAL STATISTICS

Alvarez, T. Books.
 Bureau of Expositions—Montevideo. Agricultural Photos, Books, Etc.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

Bureau of Expositions—Montevideo. Medicinal Herbs.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Bureau of Expositions—Montevideo. Wool, Animal Residuums, Plumes.

Exhibitors of the Department of San Jose—
Montevideo. Wool.

Frigorifico Montevideo—Montevideo. Sheep
Wool, Animal Residuum and Cattle Hair.

Mercantile Chamber of Domestic Products—
Montevideo. Wool and Fleeces.

Windmuller, D.—Montevideo. Sheep Wool.

Young & Co., G.—Montevideo. Bones.

GROUP 133

USEFUL INSECTS AND THEIR PRO- DUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Bureau of Expositions—Montevideo. Butter-
flies and Cocoons of Silk Worms, Honey,
Insecticidal Fixtures.

Celli, R.—Montevideo. Honey and Void Vases.
Defensa Agricola—Montevideo. Insecticidal
Fixtures, Soaps, Books, Photos, Maps.

GROUP 134

FORESTRY

Bureau of Expositions—Montevideo. Samples
of Wood.

Central Commission of the "Tree Day"—
Montevideo. Booklets.

National Seed Plot and Nursery—Toledo.
Booklets.

General Commission of the "Tree Day"—
Montevideo. Booklets.

**General Inspection of Live Stock and Agricul-
ture—**Montevideo. Scientific Demonstra-
tions.

Inspection of Agronomic Stations—Montevideo.
Booklets, Photos and Maps.

National Association of Uruguay—Montevideo.
Photos.

**National Inspection of Live Stock and Agri-
culture—**Montevideo. Photos, Books, Etc.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

Barreira & Sons, R.—Montevideo. Oils.

Bureau of Expositions—Montevideo. Grains,
Legumes and Oily Seeds; Coconut Coffee.

Basso, D.—Montevideo. Oils.

Mercantile Chamber of Domestic Products—
Montevideo. Grains.

Society "Granja d'Angelo"—Montevideo. Oil.

SWEDEN

GROUP No. 115

AGRICULTURAL IMPLEMENTS AND FARM MACHINERY

Larson, Carl H., Vadstena, Sweden. Model
of one seed-drill.

GROUP No. 118

THEORY OF AGRICULTURE AND AGRI- CULTURAL STATISTICS

Separator, A. B., Stockholm, Sweden. Cream
and yeast separators.

**Svenska Centrifugaktiebolaget, Sodertelje,
Sweden.** Cream separators.

Rotator, A. B., Sodertelje, Sweden. Cream
separators.

**Hjorth & Co., Ltd., B. A., Stockholm, Swe-
den.** Cream separators.

Nichols and Todsen, Stockholm, Sweden.
Cream separators.

**Omega Milking Machine Co., Ltd., The, Fleu,
Sweden.** Milking machine.

**Gomer Milking Machine, The, Stockholm,
Sweden.** Milking machine.

GROUP No. 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

**General Swedish Seed Company, The, Svalof,
Sweden.** Samples of various grains.

Wadskrona, Sweden. Seeds for
grasses and forage plants,
varieties of forage plants,

**Wadskrona Co., Ltd., The,
Exhibits of beet sugar
finished product, and**

GROUP No. 123

EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOOD AND BEVERAGES

Hasselblad, O. H., Stockholm, Sweden. Ar-
tificial hygienic sausage skins.

GROUP No. 134

FORESTRY

**Governmental Forest Experimental Institute,
The, Stockholm, Sweden.** Photographs and
statistical charts.

**Forest Conservation Board of the Province
of Vasternorrland, The, Solleftea, Sweden.**
Photographs and statistical charts.

**Swedish Wood Export Association, The,
Stockholm, Sweden.** Samples of paper;
statistical maps and photographs.

GROUP No. 135

FOREST PRODUCTS

**Jonkoping & Vulcan Match Manufacturing Co.,
Ltd., The, Jonkoping, Sweden.** Matches.

**United Swedish Match Mfg. Co., Ltd., The,
Stockholm, Sweden.** Matches.

**Ljusne-Woxna Co., Ltd., The, Ljusne, Swe-
den.** Products derived from rotte-
and waste wood by means of de-
struction, comprising charcoal, wood-
tar, oil of tar, motor oil, tarry
acid, wood alcohol, acetate
acetate of soda.

**Association of Swedish Paper
Stockholm, Sweden.** Samples
paper.

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Official Catalogue of Exhibitors

**Panama-Pacific International Exposition
San Francisco, California, 1915**

**CHAS. C. MOORE
President**

**Director-in-Chief
FREDERICK J. V. SKIFF**

Division of Exhibits

ASHER CARTER BAKER, Director

Department H

FOOD PRODUCTS

T. G. TALLSMITH, Chief

**Published for the Division of Exhibits by
The Wahlgreen Company, Official Publishers
San Francisco, 1915**

PALACE OF FOOD PRODUCTS



FOOD PRODUCTS

Official Catalogue Department H

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HOW TO LOCATE AN EXHIBIT

The Palace of Food Products is laid out in blocks, which are consecutively numbered from 1 to 34, inclusive, as shown on the floor plan. The aisles are designated as streets (First to Sixth), running north to south, and as avenues (A to E), from east to west. To locate an exhibitor refer to the name, alphabetically arranged under the exhibit group to which each belongs in the official classification, and note the aisles location following each name. Street and Avenue signs are erected at their intersection on the corners of all blocks.

All Exhibits entered in this Catalogue are located in the Palace of Food Products, **unless otherwise indicated** after the entry. The following are abbreviations used in this Catalogue to designate other Exhibit Palaces:

Fine Arts Palace.....	Fn. A. Pal.
Education Palace.....	Ed. Pal.
Liberal Arts Palace.....	Lb. A. Pal.
Manufactures Palace.....	Mfr. Pal.
Varied Industries Palace.....	V. I. Pal.
Machinery Palace.....	Mch. Pal.
Transportation Palace.....	Trns. Pal.
Agriculture Palace.....	Agr. Pal.
Food Products Palace.....	Fd. Pr. Pal.
Live Stock Palace.....	Lv. St. Pal.
Horticulture Palace.....	Hor. Pal.
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DEPARTMENT OF AGRICULTURE

Palace of Food Products

Official Classification of Exhibits

GROUP 117

TOBACCO

(Equipment, Processes and Products.)

- Class 564. Equipment for manufacture. Construction of tobacco factories.
 Class 565. Laboratory appliances.
 Class 566. Manufactured products.

GROUP 122

ANIMAL FOOD PRODUCTS

- Class 501. Refrigerated fresh meats, poultry, game and fish; edible animal fats and oils, gelatines.
 Class 502. Milk and cream, fresh or condensed; sterilized milk.
 Class 503. Butter in all forms.
 Class 504. Cheese in all forms.
 Class 505. Eggs; albuminoid foods and preparations.

GROUP 123

EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOODS AND BEVERAGES

- Class 597. Flour mills. Factories for the production of glucose and starch.
 Class 598. Manufacture of food pastes.
 Class 599. Bakeries; kneading machines, mechanical ovens; manufacture of ship biscuit.
 Class 600. Pastry works.
 Class 601. Methods and appliances for the utilization of refrigeration in food preservation. Refrigerators and household refrigerating machines.
 Class 602. Equipment and methods used for preserving fresh meats, game, fish, etc.
 Class 603. Factories for canning or curing meat, fish, vegetables and fruit.
 Class 604. Sugar manufactories and refineries.
 Class 605. Manufacture of chocolate and confectioneries.
 Class 606. Preparation of ices and sherbets.
 Class 607. Decortication and roasting of coffee, peanuts, etc.
 Class 608. Vinegar or pickling works.
 Class 609. Distilleries; distillers' machinery and supplies.
 Class 610. Wineries; methods and equipment employed in wine making; wine ferments; wine blending; wine preservatives.
 Class 611. Breweries; brewers' machinery and supplies, etc.
 Class 612. Manufacture of aerated waters; bottling works and machinery.
 Class 613. Various industries for the preparation of foods.
 Class 614. Olive oil presses and clarifying apparatus.

GROUP 124

FARINACEOUS PRODUCTS AND THEIR DERIVATIVES

- Class 615. Flour from cereals; grain from which the hulls have been removed, groats, potato starch, rice flour, flour from lentils or beans, gluten; prepared cereals.
 Class 616. Tapioca, sago, arrowroot, various starches, malt. Mixed farinaceous products.
 Class 617. Italian pastes; semolina, vermicelli, macaroni, noodles. Home-made pastes.
 Class 618. Infants' and invalids' foods.

GROUP 125

BREAD AND PASTRY

- Class 619. Breads, with or without yeast, fancy breads and breads in moulds, compressed breads for travelers, military campaigns, etc. Ship biscuits. Yeasts. Baking powders.
 Class 620. Pastry of various kinds peculiar to each country. Ginger bread and dry cakes for keeping.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

- Class 621. Meat preserved by any process. Salted meats, canned meats. Meat and soup tablets. Meat extracts, soups. Various pork products.
 Class 622. Fish preserved by any process. Salt fish, fish in barrels, cod, herring, etc. Fish preserved in oil; tunny, sardines, anchovies. Fish products; oil, roes, isinglass, spermaceti, etc.
 Class 623. Canned lobster, canned oysters, canned shrimp, canned turtle, canned terrapin.
 Class 624. Vegetables preserved by various processes.
 Class 625. Army and navy commissary stores and equipment.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUT AND FRUIT FOODS

- Class 626. Sugar. Glucose. Syrups.
Class 627. Confectionery. Chocolate. Glacé fruits.
Class 628. Foods made from nuts or fruits.
Class 629. Coffee, tea, substitutes for coffee; mate, chicory and sweet acorns.
Class 630. Vinegar.
Class 631. Table salt.
Class 632. Spices and their derivatives: pepper, cinnamon, allspice, flavouring extracts.
Class 633. Mixed condiments and relishes: pickles, mustard, curries, sauces.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

- Class 634. Artificially aerated, carbonated or mineral waters, ginger ale, and other non-alcoholic beverages. Soda fountains, carbonating machinery, apparatus and fixtures; filters and methods of purifying water for home use.
Class 635. Cider and other unfermented fruit juices.

GROUP 129

WINES AND BRANDIES

- Class 636. Dry wines, red and white.
Class 637. Sweet wines: sherry, madeira, port, angelica, etc.
Class 638. Sparkling wines.
Class 639. Brandies.
Class 640. Grape juice, fermented.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL

- Class 641. Syrups and sweet liqueurs: anisette, curacao, ratafia, benedictine, chartreuse, etc.
Class 642. Aperients having alcohol or wine as a base: absinthe, bitters; vermouth, myrrh, etc.
Class 643. Commercial alcohols: alcohol made from beets, molasses, grains, potatoes, etc.
Class 644. Various distilled spirits, whiskey, gin, rum, vodka, kirschwasser, saké, etc.

GROUP 131

FERMENTED BEVERAGES

- Class 645. Cider and perry. Ale, beer, porter and other malt liquors. Pulke, Koumiss and other fermented drinks low in alcohol.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

- Class 655. Systematic collections of useful and injurious insects.
Class 656. Systematic collections of vegetable parasites from plants and animals.
Class 657. Bees. Silkworms and other bombycids. Cochineal insects.
Class 658. Appliances for rearing and keeping bees and silkworms. Bee and silkworm products; honey, wax, cocoons.
Class 659. Appliances and processes for destroying plant diseases and injurious insects.

DIVISION OF FOOD PRODUCTS

GROUP 117

TOBACCO

- Alhambra Cigar & Cigarette Mfg. Co., Manila,** P. I. Mfg. products. Av. E, bet. 3rd & 4th.
- Atkins, E. C. & Company, Indianapolis, Ind.** Cigarette knives, Mfr. 5th St., bet. Avs. C & D.
- Croger Cigar Co., Seattle, Wash.** Mfg. products. Av. A & 4th St.
- Cuesta, Rey & Co., Tampa, Florida.** Havana Cigars. Av. A & 4th St.
- De Nobilli Cigar Co., Long Island, N. Y.** Cigars. Av. E & 5th St.
- Falk Tobacco Co., New York, N. Y.** Mfg. Products. Av. E, bet. 3rd & 4th Sts.
- Frankel, Gerdtz & Co., S. F., Cal.** Cigars and their manufacture. Av. A & 4th St.
- Gunst & Co., M. A., Inc., New York, N. Y.** Cigars & tobaccos. Av. E, bet. 3rd & 4th Sts. Also see our building on the Zone.
- Liggett & Myers Tobacco Co.** Collective exhibit, Av. E & 5th St. Manufacturing plants at St. Louis, Mo., Durham, N. C., Richmond, Va., New York, N. Y., Philadelphia, Pa., Toledo, O., Chicago, Ill., New Orleans, La., San Francisco, Cal.
- Liggett & Myers Tobacco Co.** Factories, St. Louis, Mo. Plug Chewing Tobacco: Star, Horse Shoe, Drummond's Natural Leaf, Pure Grape, Tinsley's Thick Natural Leaf, J. T. Union Standard, W. N. T., Clipper, Masterpiece, Twist Chewing Tobacco: Granger Twist, Picnic Twist, Honey Dip Twist, Plug Smoking Tobacco: Every Day Smoke.
- Liggett & Myers Tobacco Co.** Spaulding & Merrick Branch. Factories, Chicago, Ill. Granulated Plug Cut: Velvet, Rex. Plug Cut Tobacco: La Turka, Red Bell, Fine Cut Tobacco: Hiawatha, Sterling, Sweet Cuba, Sweet Burley, Virginia Granulated Smoking Tobacco: Corn Cake, Long Cut Smoking Tobacco: Buckhorn (Va. Leaf), Growler, Sweet Tip Top. Cigar Clippings: Cigar Clippings No. 1.
- Liggett & Myers Tobacco Co. W. Duke Sons & Co. Branch.** Factory, Durham, N. C. Cigarettes: Piedmont, Duke's Cameo, Chesterfield, Perfection, Am. Beauty.
- Liggett & Myers Tobacco Co. W. Duke Sons & Co. Branch.** Factory, Durham, N. C. Granulated Smoking Tobacco: Duke's Mixture. Plug Cut Tobacco: Pick Burley.
- Liggett & Myers Tobacco Co. Allen & Ginter Branch.** Factory, Richmond, Va. Cigarettes: Fatima, Richmond St. Cut No. 1, Old Mill, Cycle, Favorite.
- Liggett & Myers Tobacco Co. New York Branch.** Factory, New York, N. Y. Cigarettes: Vafiadis, Sultan Cork Tip, Oasis.
- Liggett & Myers Tobacco Co. W. E. Irby Branch.** Factory, New Orleans, La. Cigarettes: Home Run, Coupon, Picayune, King Bee.
- Liggett & Myers Tobacco Co. W. E. Irby Branch.** Factory, New Orleans, La. Smoking Tobacco: Home Run, King Bee, Victory, Dinner Bell, Recorte, Jackson Square.

Liggett & Myers Tobacco Co. H. Ellis & Co. Branch. Factory, Philadelphia, Pa. Little Cigars: Recruit, Athletic, Napoleon.

Liggett & Myers Tobacco Co. The Pinkerton Tobacco Co., Subsidiary. Factory, Toledo, O. Scrap Tobacco: Red Man, Sure Shot, Buckshoe, Red Horse, Day and Night.

Liggett & Myers Tobacco Co. The John Bollman Company, Subsidiary. Factory, San Francisco, Cal. Mouthpiece Cigarettes: Imperiales, Obak, Sultan, L'Opera, Anglikie Klub, Grand Duke, Kopec, The Pet.

Liggett & Myers Tobacco Co., Sole Licensee and Importer, U. S. A. Vafiadis Turkish Cigarettes. Theodoro Vafiadis & Co. Established Cairo, Egypt, 1870.

Liggett & Myers Tobacco Co., Sole Importer and Agent, U. S. A. Tam Tam, Riz Tam Tam Cigarette Paper. Braunstein Freres, Paris, France.

Moreda & Co., Inc., New York, N. Y. Cigars. Av. E, bet. 3rd & 4th Sts.

Petri Italian American Cigar Co., San Francisco, Cal. Cigars. Av. A, cor. 5th St.

Theobald & Oppenheimer, New York, N. Y. Cigars. Av. E, bet. 3rd & 4th Sts.

United Cigars Mfrs. Co., New York, N. Y. Cigars. Av. E, bet. 3rd & 4th Sts.

Virginia, State of. Collective Exhibit of Tobacco. Av. A, cor. 6th St.

West Indies Cigar Co., Inc., The, New York, N. Y. Cigars. Av. E, bet. 3rd & 4th Sts.

GROUP 122

ANIMAL FOOD PRODUCTS

Alpine Evaporated Cream Co., San Francisco. Evaporated Milk. 3d St., bet. Avs. B & C. Alpine Milk. Plants at Hollister and Gonzales, California. San Francisco Offices, 248 Market Street.

Borden's Condensed Milk Co., New York. Condensed Milk. 3d St., bet. Avs. C & D. Borden's Eagle Brand Condensed Milk: Borden's Evaporated Milk: Borden's Malted Milk: Borden's Sterilized Natural Milk. The Johnson-Locke Mercantile Co., San Francisco, Pacific Coast Representatives.

California Central Creameries, S. F. Dairy Products. Av. E, cor. 3rd St.

Citizens' Wholesale Supply Co., Columbus, O. Gelatine, etc. 4th St., bet. Avs. D & E.

Genesee Pure Food Co., Le Roy, N. Y. Gelatine, ice cream powders. Av. D, cor. 3d St.

Harris, Arthur & Co., Chicago, Ill. Machinery for Milk Condensing. Pacific Coast Condensed Milk Co.'s Special Pavilion.

Idaho, State of. Col. Exhibit of Cheese. Agr. Pal. Avs. B & C, bet. 6th & 7th Sts.

Jamison Cold Storage Door Co., Hagerstown, Md. Dairy Equip. Av. B, cor. 6th St.

Goods. Av. E, cor. 2nd St. Evaporated Milk, Condensed Milk.

Minute Tapioca Co., Orange, Mass. Gelatine. Av. E & 4th St. Minute Gelatine, Measured for use.

Nevada, State of. Collective Exh., Dairy Products. Agr. Pal., Av. A, bet. 9th & 10th Sts.

New York, State of. Collective Exhibit of Dairy Products. Agr. Pal., Av. B, bet. 4th and 5th Sts.

Pacific Coast Condensed Milk Co., Seattle, U. S. A. Av. D, cor. 4th St. Exhibit Palace—Carnation Milk Condensery in actual operation. Carnation Stock Farm Exhibit of Contented Cows, Live Stock Building. Carnation Milk for Infants, Infant Incubator Concession on Amusement Zone. Carnation Milk used exclusively by Mrs. Andrea's Cooking School.

Pfaunder Co., The, Rochester, N. Y. Condensery Equipment. Pac. Coast Cond. Milk Co.'s Pav.

Rowe's, E. J., Boston, Mass. Collective Exh. Avs. D & E, bet. 3rd & 4th Sts. Westfield Section, Palace of Pure Foods.

Skidd, The Chas. Mfg. Co., Kenosha, Wis. Milk Cooler. Pac. Coast Cond. Milk Co. Pav.

Whitney, F. E., Boston, Mass. Electric Ice Cream Freezer. Mfr. Pal., Av. B, bet. 7th & 8th Sts.

GROUP 123

EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOODS AND BEVERAGES

Atkins, E. C., & Co., Indianapolis, Ind. Ice Saws, Butchers' and Pork Packers' Saws. Mfr. Pal., 5th St. bet. Avs. C & D.

Airseal Vacuum Jar Co., New York, N. Y. Jar used for canning. 4th St., bet. Avs. D & E.

Alaska Packers Association, San Francisco, Cal. Avs. C & D, bet. 1st & 2nd Sts. Illustrating the Salmon Industry; Vessel and Salmon Cannery Models. Salmon Eggs and Fry. Mounted Salmon. Canned Salmon and Salmon Paste.

American Chicle Co., Portland, Ore. Mfg. of Chewing Gum. Av. D, cor. 3rd St.

American Machinery Co., Inc., Philadelphia, Pa. Vegetable Paring Mach. Mfg. Pal., Av. B, bet. 7th & 8th Sts.

Anchor Cap & Closure Corp., Brooklyn, N. Y. Metal Seals, Sealing Machines. Av. B, 2nd cor. 3rd St.

Anderson-Barngrover Manufacturing Co., San Jose, Cal. Hort. Pal., Av. E. Fruit grader, Canning Tables, Distributing Systems, Slicer, Can Marker; Syrunder, Exhausters and Lye Peeler. Continuous Agitating Cooker & Cooler for canned foods, copper kettle, pulper; Tomato washer, scalding and conveyor.

Anglide Computing Scale Co., Elkhart, Ind. Coffee Mill. Lib. A. Pal., Avs. C & D, bet. 8th & 9th Sts.

Arcade Mfg. Co., Freeport, Ill. Coffee Mill. 4th St., bet. Avs. D & E.

Atkins, E. C. & Company, Indianapolis, Ind. Various Saws. Mfr., 5th St., bet. Avs. C & D.

Andifron Refrigerating Mach. Co., New York. Refrigerating Equip. Mfr. Pal., Av. B & 5th St.

Automatic Candy Machine Co., Seattle, Wash. Candy Making Mach. 3d St., bet. Avs. D & E.

Automatic Refrigerating Co., Hartford, Conn. Electric Refrigerating Equip. Mfr. Pal., Av. B & 8th St.

Ayars Machine Company, Salem, N. J. Canning Machinery. Avs. B & D, between 1st & 2nd Sts. Tomato Filling Machine; Canning Machinery.

Bakers Weekly, New York, N. Y. Publications. Avs. C & D, bet. 2nd & 3rd Sts. A newspaper of interest to the bakers' trade, published weekly.

Berger & Carter Co., S. F. Collective Exh. Hydraulic Press. Mch. Pal., 5th St. & Av. I.

Bernheim Distilling Co., Louisville, Ky. Distilling Mch. 4th St., bet. Avs. D & E.

Bliss, E. W. & Company, Brooklyn, N. Y. Machinery. Automatic machinery for making sanitary cans; automatic machines for forming, beading and flanging round and oval tin cans. See exhibit, Block 16, Machinery Building.

Bond Scale Co., Los Angeles, Cal. Tea & Coffee Weighers. Av. B2, cor. 4th St.

Born, H. A. & Co., Chicago, Ill. Refrigerating Machinery. Av. A & 6th St.

Brandenstein, M. J. & Co., S. F., Cal. Av. E, cor. 3rd St. Coffee roasting and demonstrating; tea packing and demonstrating.

Brunswick-Balke-Collender Co., The, of Cal., S. F. Refrig. Mfr. Pal., Av. A, cor. 6th St.

Clough & Witt Machine Co., Cleveland, O. Chewing Gum Machine. Av. D, cor. 3rd St.

Columbia Feed Governor Co., Minneapolis, Minn. Avs. C & D, bet. 2nd & 3rd Sts.

De Laval Separator Co., The, New York, N. Y. Agr. Pal., 3rd St., bet. Avs. A & B. De Laval Clarifier and Filter, De Laval Sediment Clarifier, De Laval Yeast Separator. De Laval Dairy Supply Co., San Francisco agents.

Dickerson, F. G., Chicago, Ill. Canning Mach. Pac. Coast Cond. Milk Co.'s Pavilion.

Economic Machinery Co., Worcester, Mass. 6th St., bet. Avs. C & D. Glass Bottle and Jar Labelling Machinery, and Cigar Band-er. Machines shown in operation at exhibit, and in actual working operation at Pacific Coast Syrup Co.'s exhibit in Horticultural Palace and the Camelline Co.'s exhibit in Liberal Arts Palace.

Ford, The J. B. Co., Wyandotte, Mich. Dairy Equip. Av. A, cor. 3rd St. Agr. Pal. Cleaning Specialties for every use.

Grand Rapids Refrigerator Co., Grand Rapids, Mich. 2nd St., bet. Avs. D & E. Leonard Cleanable Refrigerators. "Like a Clean China Dish."

Heppe, L. A., Boston, Mass. Mfr. of Confectionery. Av. E, cor. 4th St.

Hobart Manufacturing Co., The, Troy, O. Coffee Refiner. Av. E, cor. 3rd St. Electric Coffee Mills and Refiners. Jas. H. Stoddard, Sales Agent, 326 Market St., San Francisco; 377 12th St., Oakland.

Hohmann & Maurer Div., Rochester, N. Y. Recording Thermometer. 6th St., cor. Av. B.

Hovas, The S. Company, Silver Creek, N. Y. Mill Machinery. Avs. C & D, bet. 2nd & 3rd Sts. "Eureka" Grain Cleaning-machinery for Flour, Corn & Car Flour & Feed Packers. Bran Duster Collectors, Wheat Washers & Dr Mixers, Rice & Coffee Millers &

- Hughes Electric Heating Co., Chicago, Ill.** Aves. C & D, bet. 2nd & 3rd Sts. Electric Stoves, Ranges, Ovens, etc.
- Hydraulic Press Mfg. Co., The Mt. Gilead, O.** Hyd. Presses & Pumps. Mch. Pal., 2nd St., Aves. H & I.
- Jarvis, J. P., San Francisco, Cal.** Refrigerators, etc. 1st St., nr. Av. B.
- Jamison Cold Storage Door Co., Hagerstown, Md.** Refrig. Apparatus. 6th St., cor. Av. B.
- Kerr Glass Mfg. Co., Chicago, Ill.** Jars, glasses used in canning. 2nd St. & Av. B.
- Kalamazoo Vegetable Parchment Co., Kalamazoo, Mich.** Ed. Pr. Pal., 4th St., bet. Aves. D & E. Originators of the Kalamazoo Paper-foam Ice Blanket and other "Handy Home Helpers."
- Keweenaw Private Utilities Co., Keweenaw, Ill.** Refg. Plants. Mch. Pal., 1st & 2d Sts. Av. E.
- Lehman Company, J. M., New York.** Chocolate Machinery. Special Pavilion.
- Lehner, J. C., San Francisco, Cal.** Cook Book, Menus, etc. 6th St., bet. Aves. A & B.
- Loetscher-Ryan Mfg. Co., Dubuque, Ia.** Refrg. Mach., etc. 5th St., bet. Aves. D & E.
- McClaren, Mrs. L. L., S. F., Cal.** Cook Book. Av. B2, cor. 3rd St.
- Meade, L. S., San Francisco, Cal.** Packing Devices. Av. D, cor. 2nd St.
- Middleby-Marshall Oven Co., Chicago, Ill.** Ovens. Aves. C & D, bet. 2nd & 3rd Sts.
- National Cannery Assn., Wash., D. C.** Collective Exh. Aves. B & D, bet. 1st & 2nd Sts.
- National Ice Cream Co., S. F., Cal.** Mfg. of Ice Cream. Av. A & 6th St.
- National Specialty Mfg. Co., Philadelphia, Pa.** Coffee Mills, etc. Mfr., 6th St., bet. Aves. C & D.
- Pacific Ammonia & Chemical Co., Seattle, Wash.** Ammonia. Av. B, cor. 6th St.
- Pappas Candy Co., San Francisco, Cal.** Mfg. of candy. 3rd St., bet. Aves. D & E.
- Pennsylvania Flexible Metallic Tubing Co., Phil., Pa.** Mch. Pal., 5th St. & Av. F.
- Potato Chip Co., San Jose, Cal.** Potato chips. Av. B, bet. 2nd & 3rd Sts.
- Pneumatic Scale Corp., Ltd., Norfolk Downs, Mass.** Carton Sealing, etc. Machine. Av. E, cor. 3rd St.
- Quaker Oats Co., The, Chicago, Ill.** Prepared Cereals. Av. E, bet. 2nd & 3rd Sts.
- Read Machinery Co., York, Pa.** Machinery. Aves. C & D, bet. 3rd & 4th Sts. A complete line of bakers' machinery.
- Refrigeration Plants Mfg. Co., Los Angeles, Cal.** Refrg. Mach. Av. B2, 2nd & 3rd Sts.
- Reiche, A., Dresden, Germany.** Chocolate Machinery. Special Pavilion.
- Reminder Timer Co., S. F.** Cooking Timer. 5th St., bet. Aves. B & C.
- Remington Machine Co., Wilmington, Del.** Refrigeration Plant. Av. D & 1st St.
- Richardson Scale Co., Passaic, N. J.** Scales. Aves. C & D, bet. 2nd & 3rd Sts. Scales used in weighing wheat to mill rolls and flour to packing bins.
- Rowe's, E. J., Boston, Mass.** Foods. Aves. D & E, bet. 3rd & 4th Sts. Collective Exhibit of Westfield Approved Pure Foods.
- Shredded Wheat Co., The, Niagara Falls, N.Y.** Cereals. Av. C, cor. 4th St. Shredded wheat biscuit and trigenit.
- Sprague Canning Machy. Co., Chicago, Ill.** Aves. B & D, bet. 1st & 2nd Sts.
- Union Sanitary Rack Mfg. Co., Albion, Mich.** Manufacturers. Av. B2, bet. 2nd & 3rd Sts. Manufacturers of Union Sanitary Racks, Trucks, Proof Boxes, and Dean Sanitary Shelving. Handled everywhere by the best jobbers of Bakers' and Confectioners' Equipment.
- U. S. Slicing Machine Co., LaPorte, Ind.** Slicing Machines. 6th St., bet. Aves. B & C.
- Vulcan Iron Works, San Francisco, Cal.** Refrigerating Machinery. Aves. C & D, bet. 7th & 8th Sts. Refrigerating and Ice Plants of any desired capacity. Special Class Small Machines. Special Marine Type Machines. Works: Francisco & Kearny Sts.
- West Manufacturing Co., Philadelphia, Pa.** Canning Machine. 4th St., bet. Aves. D & E.
- Westinghouse Electric & Mfg. Co., Pittsburgh, Pa.** Chocolate Warmers, Etc. Mfr. Pal., 2nd St. and Av. C2.
- Whitney, F. E., Boston, Mass.** Electric Ice Cream Freezer. Mfg. Pal.
- Washington, State of.** Collective Exhibit of salmon canning mchy. 6th St., bet. B & C.
- White Frost Refrigerator Co., Jackson, Mich.** Refrigerators. Av. D, cor. 3rd St.
- Wolf Co., The, Chambersburg, Pa.** Flour Mill Mach. Aves. C & D, bet. 2nd & 3rd Sts.
- Woodrow, C. B., New York, N. Y.** Ice Making Machine and Refrigerator. Av. B, bet. 5th and 6th Sts.
- York Manufacturing Co., York, Pa.** Refrigerating Machinery. Av. B, cor. 6th St. Appliances of any desired capacity for the refrigeration and preservation of food. Ice Making Plants. Ammonia fittings and supplies. Special class small machines.

GROUP 124

FARINACEOUS PRODUCTS AND THEIR DERIVATIVES

- Albers Bros. Milling Co., San Francisco, Cal.** Prepared Cereals. Av. C, cor. 3rd St. Albers Flapjack Flour; Albers Buckwheat Flour; Albers Corn Meal; Albers Peacock Family Flour; Albers Pearls of Wheat; Albers Pearl Barley; Albers Steel Cut Oat Meal; Albers Rolled Oats; Albers Wheat Flakes; Carnation Wheat Flakes; Carnation Rolled Oats; Carnation Granulated Wheat. Mills and offices at Portland, Tacoma, Seattle, Oakland, San Francisco and Los Angeles.
- Agencias De Berna, San Francisco.** Italian Pastes. 6th St., bet. Aves. B & C.
- Alden Spears's Sons Co., The, Boston, Mass.** Ed. Pr. Pal., 4th St. & Av. D. Priscilla Prepared Doughnut Flour. Nothing to add but Water—The Hard Work Done Before You Start—Westfield Endorsement.
- Anglo-American Mill Co., Owensboro, Ky.** Flour. 5th St., bet. Aves. D & E.
- Brandenstein, M. J. & Co., San Francisco, Cal.** Av. E, cor. 3rd St. Rices, Foreign and Domestic.
- Citizens' Wholesale Supply Co., Columbus, O.** Cereals, etc. 4th St., bet. Aves. D & E.
- Fisher Flouring Mills Co., Seattle, Wash.** Flour. Av. B, cor. 3rd St.
- Heinz, H. J. & Co., Pittsburgh, Pa.** Italian Pastes. Av. C, cor. 3rd St.

Hinode Macaroni Factory, Honolulu, H. I. Japanese Paste. 6th St., bet. Aves. B & C.

Huron Milling Co., The, Harbor Beach, Mich. Macaroni. Av. E & 4th St.

Idaho, State of. Flour exhibit. Aves. B & C, bet. 6th & 7th Sts. Agri. Pal.

Louisiana, State of. Collective exhibit of Italian pastes. Aves. B & C, bet. 8th & 10th Sts., Agr. Pal.

Minute Tapioca Co., Orange, Mass. Tapioca. Av. E & 4th St. Minute Tapioca—Requires no soaking.

Mueller, C. F. Co., New York, N. Y. Italian pastes. 4th St., bet. Aves. C & D.

Nevada, State of. Collective exhibit of Flour. Av. A, bet. 9th & 10th Sts., Agr. Pal.

Pacific Cereal Association, San Francisco, Cal. Prepared Cereals. Av. C, cor. 3rd St.

Pacific Milling Co., San Francisco, Cal. Cereal Breakfast Food. Av. B, bet. 2nd & 3rd Sts.

Plainville Mill Elevator Co., Plainville, Kan. Flour. Av. A & 6th St.

Quaker Oats Co., The, Chicago, Ill. Prepared Cereals. Av. E, bet. 6th & 7th Sts.

Rowe's, E. J., Boston, Mass. Collective exh. of Pure Foods. Aves. D & E, bet. 3rd & 4th.

Shredded Wheat Co., The, Niagara Falls, N.Y. Prepared Cereals. Av. C, cor. 4th St.

Spears Sons Co., The, Cambridge, Mass. Cake Flours. Av. E & 4th St.

Sperry Flour Co., S. F., Cal. Prepared cereals, flour, etc. Aves. C & D, bet. 2nd & 3rd Sts.

Valtolini, F., Stockton, Cal. Italian Pastes. Av. C & 9th. Agr. Pal.

GROUP 125

BREAD AND PASTRY

American Biscuit Co., San Francisco, Cal. Crackers. 2nd St., bet. Aves. D & E. Royal Soda Crackers in cartons and bulk; Crackers and Cakes in cartons and bulk; Fiesta Sugar Wafers and Yosemite Creams; Pilot Bread; Army and Navy Hard Bread; Dainty Chips; Snowflakes; Water Wafers; Panama Creams; High Teas; Tango Chips; Exquisite Wafers—Cheese Sandwiches.

Citizens' Wholesale Supply Co., Newark, N. J. Baking Powder. 4th St., bet. Aves. D & E.

Jones-Thierbach Co., S. F., Cal. Baking Powder. Av. C, cor. 2nd St.

Sperry Flour Co., S. F., Cal. Bread, etc. Aves. C & D, bet. 2nd & 3rd Sts. Bread & Pastry of various countries.

Spratts Patent, Ltd., Newark, N. J. Dog Biscuits, etc. 5th St., bet. Aves. D & E.

Sugimoto, J., Kobe, Japan. Cakes. 6th St., bet. Aves. B & C.

Washington, State of. Collective exhibit of fish and fish products. 6th St., bet. Aves. B & C.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Agencias de Berna, S. F. Preserved vegetables. 6th St., bet. Aves. B & C.

Ainsworth & Dunn, Seattle, Wash. Canned salmon. 1st St., cor. Av. C.

Alaska Fish Co., Seattle, Wash. Canned salmon. 1st St., cor. Av. C.

Alaska Packers Association, San Francisco, Cal. Av. C, bet. 1st & 2nd Sts. Illustrating the salmon industry; vessel and salmon cannery; models; salmon eggs and fry; mounted salmon; Canned Salmon and Salmon Paste. Local Office, Wells Fargo Building, San Francisco.

Alaska Pacific Fisheries Co., Seattle, Wash. Canned salmon. 1st St., cor. Av. C.

Alaska Portland Packers Assn., Portland, Ore. Canned salmon. 1st St., cor. Av. C.

Alaska Salmon Co., S. F. Canned salmon. 1st St., cor. Av. C.

Alaska Sanitary Packing Co., Seattle, Wash. Canned salmon. 1st St., cor. Av. C.

American Kitchen Products Co., New York, N. Y. Av. E, cor. 4th St. Makers of "Sterro" Cubes "A cube makes a cup." Just add boiling water. Delicious wholesome Bouillon instantly. Improves flavor of Soups, Sauces & Gravies. Visit Exhibit in Pal. of Pure Foods.

Andreas, Mrs. A. L., Jamaica, N. Y. Collective Exhibit. 4th St., bet. Aves. D & E.

Apex Fish Co., Anacortes, Wash. Canned salmon. 1st St., cor. Av. C.

Astoria & Puget Sound Packing Co., Bellingham, Wash. 1st St., cor. Av. C.

Barnes, F. C. & Co., Portland, Ore. Canned salmon. 1st St., cor. Av. C.

Bellingham Canning Co., Bellingham, Wash. Canned salmon. 1st St., cor. Av. C.

Blaine Packing Co., Blaine, Wash. Canned salmon. 1st St., cor. Av. C.

Booth Fisheries Co., Astoria, Ore. Canned salmon. 1st St., cor. Av. C.

Bristol Bay Packing Co., San Francisco, Cal. Canned salmon. 1st St., cor. Av. C. "Bristol," "Battle Ax," "Frost King," "Morse Queen," "Alaska Bear," "Paramita," "New Year," "Silver Net."

Cal. Fruit Cannery Assn., S. F., Cal. Pal. of Horticulture, Av. B, bet. 1st & 2nd.

Citizens' Wholesale Supply Co., Columbus, O. Beef Extracts. 4th St., bet. Aves. D & E.

Columbia River Packers' Assn., Astoria, Ore. Canned salmon. 1st St., cor. Av. C.

Coquille River Fishermen's Co-Op Pkg. Co., Prosper, Ore. Canned salmon. 1st, cor. C.

Delta Canning Co., Stockton, Cal. Canned Vegetables. Av. C bet. 9th & 10th Sts., Agr. Pal.

Deep Sea Salmon Co., Seattle, Wash. Canned salmon. 1st St., cor. Av. C.

Everett Packing Co., Everett, Wash. Canned salmon. 1st St., cor. Av. C.

Fidalgo Island Packing Co., Anacortes, Wash. Canned salmon. 1st St., cor. Av. C.

Friday Harbor Packing Co., Friday Harbor, Wash. Canned salmon. 1st St., cor. Av. C.

Gorman & Co., Seattle, Wash. Canned salmon. 1st St., cor. Av. C.

Harbor Packing Co., Pt. Blakeley, Wash. Canned salmon. 1st St., cor. Av. C.

Hawk Fish Co., Seattle, Wash. Canned salmon. 1st St., cor. Av. C.

Heins, H. J. Co., Pittsburgh, Pa. Soups, Preserved Meats, etc. Av. C, cor. 3rd St.

Hoosah Packing Co., Port Townsend, Wash. Canned salmon. 1st St., cor. Av. C.

Key City Packing Co., Port Townsend, Wash. Canned salmon. 1st St., cor. Av. C.

Klamath River Packing Co., Bequa, Cal. Canned salmon. 1st St., cor. Av. C.

- Libby, McNeill & Libby, Chicago, Ill.** Canned Meats, Etc. Av. E, cor. 2nd St. Cooked Corned Beef, Roast and Cottage Beef, Ox Tongues, Boneless Chicken, Veal, Beef and Ham Loaf, Chicken Loaf, Frankfurter Bratwurst, Sliced Bacon, Corned Beef Hash, Roast Beef Hash, Chop Suey, Tripe, Lunch Tongues, Lamb Tongues, Dried Beef, Hamburger Steak & Onions, Pigs' Feet, Pork & Beans, Vienna Sausage, Soups, Extract of Beef, Brisket Beef, Pork Sausage, Club House Sausage, Chili Con Carne, Deviled Ham, Potted Ham, Deviled Meats, Potted Meats, Roast Mutton, Stewed Kidneys, Minced Collops, Minced Steak, Oxtails, Boiled Beef, Irish Stew, Oxford Sausage, Soup Bouilli, Mince Meat, Tamales, Bouillon Cubes, Beef and Vegetables, Canned Salmon, Canned Vegetables, California Asparagus, Spinach, Tomatoes, String Beans, Beets, Cabbage, Sweet Potatoes, Carrots, Squash, Sauer Kraut.
- Libby, McNeill & Libby, Seattle, Wash.** Canned salmon. 1st St., cor. Av. C.
- Louisiana, State of.** Collective exhibit of canned fish and vegetables. Aves. B & C, bet. 8th & 10th Sts., Agr. Pal.
- Lummi Bay Packing Co., Bellingham, Wash.** Canned salmon. 1st St., cor. Av. C.
- MacLeay Estate Co., Rogue River, Ore.** Canned salmon. 1st St., cor. Av. C.
- Martin, E. C., Auburn, N. Y.** Vegetables, Hort. Pal., 2nd St., cor. Av. D. Preserved vegetables and fruit; brandied and pickled peaches.
- McGowan, P. J. & Sons, McGowan, Wash.** Canned salmon. 1st St., cor. Av. C.
- McMenamin & Co., Hampton, Va.** Crab Meat, Av. E & 4th St.
- Megler, J. G. & Co., Brookfield, Wash.** Canned salmon. 1st St., cor. Av. C.
- Monterey Packing Co., S. F.** Canned sardines, canned shad & canned shad roe. 1st & Av. D.
- Myers, Geo. T. & Co., Seattle, Wash.** Canned salmon. 1st St., cor. Av. C.
- Naknek Packing Co., San Francisco.** Canned salmon. 1st St., cor. Av. C.
- Nevada, State of.** Processed vegetables. Agr. Pal., Av. A, bet. 9th & 10th Sts.
- New York, State of.** Collective Exhibit of Preserved Foods. Agr. Pal., Av. B, bet. 4th and 5th Sts.
- N. Alaska Salmon Co., San Francisco.** Canned salmon. 1st St., cor. Av. C.
- N. Pacific Trading & Packing Co., S. F.** Canned salmon. 1st St., cor. Av. C.
- Northwestern Fisheries Co., Seattle, Wash.** Canned salmon. 1st St., cor. Av. C.
- Oregon Fisheries Co., Bay City, Ore.** Canned salmon. 1st St., cor. Av. C.
- Oregon, State of.** Collective Exhibit of Canned Fish. Agr. Pal., Av. D, bet. 4th & 6th Sts.
- Pacific Am. Fisheries, Bellingham, Wash.** Canned salmon. 1st St., cor. Av. C.
- Pacific Fisheries Packing Co., Aberdeen, Wash.** Canned clams. Av. C, bet. 1st & 2nd Sts.
- Pierce, C. E. Co., Inc., San Francisco, Cal.** Preserved fish. Aves. C & D, bet. 1st & 2nd.
- Pillar Bay Packing Co., Seattle, Wash.** Canned salmon. 1st St., cor. Av. C.
- Pillar Rock Packing Co., Portland, Ore.** Canned salmon. 1st St., cor. Av. C.
- Pt. Warde Packing Co., Seattle, Wash.** Canned salmon. 1st St., cor. Av. C.
- Red Salmon Canning Co., San Francisco.** Canned salmon. 1st St., cor. Av. C.
- Richardson & Robbin Co., Dover, Del.** Meat products, ham. 4th St., bet. Aves. D & E.
- Rowe's, E. J., Boston, Mass.** Collective Exh. of Pure Foods. Aves. D & E, bet. 3rd & 4th.
- Sanborn, Cram & Co., Astoria, Ore.** Canned salmon. 1st St., cor. Av. C.
- San Juan Canning Co., Friday Harbor, Wash.** Canned salmon. 1st St., cor. Av. C.
- San Juan Fish Co., Seattle, Wash.** Canned salmon. 1st St., cor. Av. C.
- Seufert Bros., The Dalles, Ore.** Canned salmon. 1st St., cor. Av. C.
- Sims, E. A., Port Townsend, Wash.** Canned salmon. 1st St., cor. Av. C.
- Smiley, J. L. & Co., Blaine, Wash.** Canned salmon. 1st St., cor. Av. C.
- Starr, Collinson Packing Co., Portland, Ore.** Canned salmon. 1st St., cor. Av. C.
- Southern Cotton Oil Co., New York, N. Y.** Oil, edible. 3rd St., bet. Aves. D & E.
- Sunny Point Packing Co., Seattle, Wash.** Canned salmon. 1st St., cor. Av. C.
- Taku Canning & Cold Storage Co., Seattle, Wash.** Canned salmon. 1st St., cor. Av. C.
- Tallant, Grant Packing Co., Astoria, Wash.** Canned salmon. 1st St., cor. Av. C.
- Thlinket Packing Co., Portland, Ore.** Canned salmon. 1st St., cor. Av. C.
- Union Fish Company, San Francisco, Cal.** Cod fish. Av. C & D, bet. 1st & 2nd Sts. Producers and Wholesale Dealers in Superior Quality Pacific Codfish. Office and Store, Room 141 Clay St.
- Union Fishermen's Co-Op Packing Co., Astoria, Ore.** Canned salmon. 1st St., cor. C.
- Warren Packing Co., Portland, Ore.** Canned salmon. 1st St., cor. Av. C.
- Washington, State of.** Collective exhibit of canned fish. 6th St., bet. Aves. B & C.
- Weise Packing Co., Seattle, Wash.** Canned salmon. 1st St., cor. Av. C.
- Willapa Harbor Fish Co., Willapa, Wash.** Canned salmon. 1st St., cor. Av. C.
- Workman Packing Co., San Francisco, Cal.** Tamales. 4th St., bet. Aves. C & D.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUT AND FRUIT FOODS

- Amalgamated Concessions Co., San Francisco, Cal.** Confection. Av. A, cor. 6th St.
- Andrea, Mrs. A. Louise, Jamaica, N. Y.** Collective exhibit of standard food products and modern kitchen equipment. 4th St., bet. Aves. D & E.
- Baker, Walter & Co., Ltd., Boston, Mass.** Chocolate, cocoa. Av. C, bet. 3rd & 4th Sts. Chocolate unsweetened, chocolate sweetened. Johnson-Locke Mercantile Co., San Francisco, Coast representative.
- Blanke, C. F. Tea & Coffee Co., St. Louis, Mo.** Tea & coffee. 6th St., bet. Aves. B & C.
- Borden's Condensed Milk Co., New York, N.Y.** Borden's Confectionery. 3rd St., bet. Aves. C & D. The Johnson-Locke Mercantile Co., San Francisco, Pacific Coast representative.
- Brandenstein, M. J. & Co., S. F., Cal.** Coffee, Tea. Coffee roasting and demonstrating; tea packing and demonstrating. Av. E, cor. 3rd St.
- Cal. Fruit Cannery Assn., S. F.** Hort. Pal., Av. B, bet. 1st & 2nd Sts.

Citizens' Wholesale Supply Co., The, Columbus, O. Food products. 4th, bet. Avs. D & E.

Curtis, Emma E., Melrose, Mass. Confectionery. Av. E & 3rd St.

Direct Importing Co., Boston, Mass. Teas, Coffee, Candies, Cocoa. Av. D, cor. 4th St.

J. A. Folger & Company, San Francisco, Cal. 4th St., bet. Avs. B2 & C. Coffee, teas, spices, baking powder and flavoring extracts.

Garritt, F. E., San Mateo, Cal. Mixed condiments, etc. Av. B2, cor. 3rd St.

Ghiradelli, D. Co., San Francisco, Cal. Chocolate, cocoa. Av. D, cor. 4th St.

Granadaing Co., Santa Clara, Cal. Confectionery. Av. B & 2nd St.

Harper, X. L., Mfg. Co., New Bedford, Mass. Salt, Cake Fillings, etc. 4th St. & Av. D.

Heins, H. J. Co., Pittsburgh, Pa. Relishes, Condiments, etc. Av. C, cor. 3rd St.

Heppie, L. A., Boston, Mass. Confectionery, etc. Av. E, cor. 4th St.

Hood River Apple Vinegar Co., Hood River, Ore. Vinegar. Hort. Pal. Avs. C & D, bet. 6th & 8th Sts.

Hills Bros., San Francisco, Cal. Av. D, cor. 2nd St. Red can Vacuum Packed Coffee.

Jones-Thierbach Co., San Francisco, Cal. Tea, coffee, spices. Av. C, cor. 2nd St.

Kaffee Hag Corp., New York. Coffee. Av. D & 4th St.

Lady Betty, Inc., Brookline, Mass. Relishes. Av. B, cor. 3rd St.

Libby, McNeill & Libby, Chicago, Ill., San Francisco, Cal. Condiments, canned goods. Av. E, cor. 2nd St. Mixed condiments and relishes; sweet pickles, chow chow, sour pickles, pickled onions, sweet relish, tomato catsup, Worcestershire sauce, Chili sauce, pepper sauce, salad dressing, mustard tomato chutney, evaporated horse radish, mixed pickles.

Louisiana, State of, Collective exhibit of sugar and condiments and relishes. Agr. Pal., Avs. B & C, bet. 8th & 10th Sts.

Lowney, The Walter M. Co., Boston, Mass. Confectionery. Avs. D & E, bet. 3rd & 4th Sts. Chocolate, cocoa and bon bons.

Lyon's California Glace Fruit Co., San Francisco, Cal. Glace Fruits. Av. C, cor. 5th St. Mayonnaise & Peanut Butter.

Martin, E. C., Auburn, N. Y. Pickles. Hort. Pal., 2nd St., cor. Av. D.

McCormick & Company, Baltimore, Md. Teas, Spices. Teas, Banquet Brand, Spices, Bee Brand, Extracts, Bee Brand, Green Seal Salad Dressing, Banquet Mayonnaise Dressing. 3rd St., bet. Avs. C & D.

Morton Salt Co., Chicago, Ill. Table Salt. 4th St., bet. Avs. D & E.

National Onion Salt Co., The, Chicago, Ill. Flavorings, etc. Av. E & 4th St.

Nevada, State of, Collective exhibit of food products. Agr. Pal., Av. A, bet. 9th & 10th.

New York, State of, Collective Exhibit of Condiments. Agr. Pal., Av. B, bet. 4th & 5th Sts.

Pacific Coast Syrup Co., San Francisco, Cal. Syrups. Hort. Pal., 4th St., cor. Av. D.

Pacific Coast Salt Co., San Francisco, Cal. Salt. Agr. Pal., Av. D & 9th St.

Palisade Mfg. Co., The, West Hoboken, N. J. Extracts. 4th St., bet. Avs. D & E.

Pappas, A. Candy Co., San Francisco, Cal. Candy. 3rd St., bet. Avs. D & E.

Porter, Mrs. M. A., Seattle, Wash. Salad Dressing. Av. B2 & 3rd St. Mrs. Porter's Home Made Mayonnaise & Peanut Butter.

Reynolds Chocolate Co., Boston, Mass. Chocolate, cocoa, candy, etc. Av. E & 3rd St.

Ridgways, Inc., New York, N. Y. Tea. Av. C, cor. 4th St. India and Ceylon Teas. Established 1836. Chief Offices United States: New York, 111-113 Hudson St.; Chicago, 352-354 North Michigan Av.; San Francisco, Haas Bros., distributors.

Rowe's E. J., Boston, Mass. Collective Exh. Pure Foods. Avs. D & E, bet. 3rd & 4th Sts.

Sauer, O. F. Company, Richmond, Va. Flavouring extracts. 3rd St., bet. Avs. D & E. Flavouring extracts also at 5th St., bet. Avs. B & C.

Washington, G., Coffee Co., New York, N. Y. Soluble Coffee. Avs. D & E, 3rd & 4th Sts.

Western Sugar Refining Co., San Francisco, Cal. Sugar & Products. 2nd St., cor. Av. B.

Wright, E. A., Oakland, Cal. Sauces. Hort. Pal., Av. D, cor. 7th St.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

American Steel & Wire Co., Chicago, Ill. Sulphate of iron exhibit. Min. Pal., Av. D.

Aqua Medicinal Water Co., San Francisco, Cal. Medicinal Water. Agr. Pal., Av. D & 8th St.

American Tripoli Co., Seneca, Mo. Water Filters. Min. Pal., Av. A & 7th St.

Clicquot Club Co., Millis, Mass. Ginger Ale. 6th St., bet. Avs. D & E.

Forbes & Co., J. P., Alameda, Cal. Mineral Water. Av. A & 4th St.

Kelly Filter Press Co., Salt Lake City, Utah. Filter Press. Mch. Pal., 3rd St. & Av. G2.

Louisiana, State of, Collective exhibit of carbonated waters. Avs. B & C, bet. 8th & 10th Sts., Agr. Pal.

Missouri State Commission, Aurora, Mo. Tripoli Filters. Min. Pal., Av. A & 6th St.

National Pure Water Co., Kansas City, Mo. Water purifying mach. Av. B, cor. 5th St.

New York, State of, Collective Exhibit of Grape Juice. Agr. Pal., Av. B, bet. 4th & 5th Sts.

Perfection Cooler Co., Staughton, Mass. Water Cooler. Av. D & 7th St. Mfg. Pal.

Racine Tripoli Co., Racine, Mo. Water Filters. Min. Pal. Av. A & 7th St.

Rowe's, E. J., Boston, Mass. Collective Exh. of pure foods. Avs. D & E, bet. 3d & 4th Sts.

Sacramento Valley Winery, Sacramento, Cal. Grape Juice. 5th St., bet. Avs. C & D.

Seunenicht, E., Inc., Scranton, Pa. Beverages. 5th St., bet. Avs. B & C. Solosekt. Apple wine, de-alcoholized; Templarale. Fruit Juice & Carbonic Water; Nonparella. Clarified Grape Juice, Appels, Refined Cider, Carbonated. Write for free copy "Beverage Question."

Todd, Mrs. A. M., San Francisco. Av. B2, cor. 4th St.

U. S. Steel Corp'n. Subsid. Co's., N. Y. Col-
lective iron & steel exh. Min. Pal., Av. D.
Welch Grape Juice Co., The, Westfield, N. Y.
Grape juice. Av. D & 4th St.
Witter Medical Springs Co., San Francisco,
Cal. Mineral Water. Av. A, bet. 5th & 6th.
Wright, E. A., Oakland, Cal. Fruit Nectar.
Hort. Pal., Av. D, cor. 7th St.

GROUP 120

WINES AND BRANDIES

Agencias de Berna, S. F. Cal. Sweet Wines.
6th St., bet. Avs. B & C.
Arnhold, B., & Co., Inc., S. F. Cal. Cal. dry,
sweet and sparkling wines. 4th St., bet.
Avs. C & D.
Berlinger Bros., St. Helena, Cal. Cal. dry
wines and brandy. 4th St., bet. Avs. C & D.
Brun & Chaix, Messrs., Oakville, Cal. Dry
Wines. 4th St., bet. Avs. C & D.
Cal. Viticultural Exhibit Ass'n, S. F. Avs.
C & D, bet. 4th & 5th Sts. Col. Wine Exh.
Cal. Wine Ass'n, S. F., Cal. Cal. dry and sweet
wines & brandy. 4th St., cor. Av. C.
Cal. Winery Co., Sacramento, Cal. Cal. dry
and sweet wines. 4th St., bet. Avs. C & D.
Calwa Dist. Co., S. F. Cal. dry and sweet
wines & brandies. 4th St., bet. Avs. C & D.
Chauche & Bon, S. F. Cal. dry and sparkling
wines. 5th St., bet. Avs. C & D.
Cresta Blanca Wine Co., S. F. Cal. Dry & Sweet
Wines, Brandies & Champagnes. Av. D, 4th.
Da Roza Estate, Elk Grove, Cal. Dry & sweet
wines. 5th St., bet. Avs. C & D.
Dressel C. & Company, Sonoma, Cal. Dry
Wines & Brandy. Av. C & 5th St.
Finkes' Widow, A., S. F., Cal. Cal. dry, sweet &
spkgl. wines & brandy. 5th, bet. Avs. C & D.
French American Wine Co., S. F., Cal. Cal. dry
wines & brandy. 5th St., bet. Avs. C & D.
Fulton Winery Co., S. F. Cal. Dry Wines. 5th
St. & Av. C.
Gier, Theo., Oakland, Cal. Cal. dry and spkgl.
wines. Av. D, bet. 4th & 5th Sts.
Gru & Werner, Irvington, Cal. Dry Wines.
4th St. & Av. D. Moselle Saunterne, Bur-
gundy Medoc Type, a specialty. Bottled
at the vineyards.
Guasti, S., Los Angeles, Cal. Cal. Dry and
Sweet Wines. 4th St., bet. Avs. C & D.
Gundlach-Bundachu Wine Co., S. F. Cal. dry
and sweet wines. 5th St., bet. Avs. C & D.
Hoelscher, Wm., San Francisco, Cal. "Calif-
ornia Wines." Av. D, bet. 4th & 5th Sts.
Italian Swiss Colony, S. F. Cal. dry & sweet
spkgl. wines & brandies. 5th St., cor. Av. C.
Italian Vineyard Co., Los Angeles, Cal. Cal.
dry and sweet wines. 4th St., bet. Avs.
C & D.
Korbel, F. & Bros., Guerneville, Cal. Cal. dry
wines; champagne, brandy. 5th St., cor. D.
Krug, Chas. Winery, St. Helena, Cal. Cal. dry
wines. 4th St., bet. Avs. C & D.
Kunde, Louis, Glen Ellen, Cal. Dry Wines.
4th St., bet. Avs. C & B.
Lachman & Jacobi, S. F. Cal. dry & sweet
wines. Av. D, bet. 4th & 5th Sts.
Lancel & Co., E. H., S. F. Dry Wines. Av.
D & 4th St.

Lint, P. F., Los Gatos, Cal. Cal. dry and
sweet wines; brandy. 4th St., bet. Avs. C & D.
Lyons Calif. Glace Fruit Co., San Francisco,
Cal. Wines, Brandies. 5th St., cor. Av. C.
Madera Vineyard & Wine Co., S. F. Sweet
Wines & Brandies. 5th St., bet. Avs. C & D.
Martell & Co., Cognac, France. Brandies.
5th St., bet. Avs. B & C. G. S. Nicholas
& Co., New York City. Sole Agents. San
Francisco Office, 420 Chronicle Building.
Masson, Paul Champagne Co., San Jose, Cal.
Champagne. 4th St., cor. Av. D.
Mattie, A., Malaga, Cal. Cal. dry and sweet
wines; brandy. 4th St., bet. Avs. C & D.
Mt. Diablo Vineyard & Wine Co., S. F. Dry
Wines. 5th St., bet. Avs. C & D.
Mt. Hamilton Vineyard, San Jose, Cal. Dry
Wines. Av. C & 5th St.
Repsold, A. Co., S. F. Cal. dry and sweet
wines and cognac. 4th St., bet. Avs. C & D.
Rixford, E. H., S. F. California Dry Red
Wine. 5th St. & Av. D. Office, 105 Mont-
gomery St., San Francisco, Cal.
Rosenblatt Co., The, S. F. Cal. wines and
brandies. Av. C, cor. 6th St.
Sacto. Valley Winery, Sacramento, Cal. Cal.
dry & sweet wines. 5th St., bet. Avs. C & D.
Salmina, F. & Co., St. Helena, Cal. Cal. dry
wines. 4th St., bet. Avs. C & D.
Schramberg Vineyard Co., Callistoga, Cal.
Cal. Wines. 4th St., bet. Avs. C & D.
Shilling, C. & Co., S. F. Cal. dry & sweet
wines. 4th St., bet. Avs. C & D.
Sonoma Wine & Brandy Co., Stockton, Cal.
Dry & Sweet Wines. 4th St., bet. Avs. C & D.
Tokalon Vineyard Company, Napa, Cal. Dry
Wines. 4th St., bet. Avs. C & D.
Wehner, Wm., Evergreen, Cal. Cal. dry wines.
5th St., bet. Avs. C & D.
West & Son, Geo., Stockton, Cal. Dry & Sweet
Wines. 4th St., bet. Avs. C & D.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED
SPIRITS AND COMMERCIAL
ALCOHOL

Bernheim Distilling Co., Louisville, Ky.
Liquors. 4th St., bet. Avs. D & E. "Mini-
ature Distillery. I. W. Harper and other
famous Whiskies."
Cordial Panna Co., Cleveland, O. Bitter Cor-
dials. Av. D & 6th St.
Hamburger Distillery, Ltd., Pittsburgh, Pa.
Rye Whiskey, Double Distilled on Copper.
Av. A & 6th St. Bridgeport Pure Rye.
You've Tried the Rest, Now Buy the Best.
Gold Medal, London, 1914. Pacific Coast
Representative, Mr. I. W. Cahen, 217 Front
St., San Francisco, Cal.
Large Distilling Co., The, Pittsburgh, Pa.
Rye Whiskey. 6th St., bet. Avs. B & C.
Large Pure Rye Whiskey was established in
1796 and has been before the public 119
years. This whiskey holds the record for
more Grand Prize Distinctions than any
other American Whiskey.
Louisiana, State of. Collective exhibit of
syrups and liquors, alcohol. Avs. B & C,
bet. 8th & 10th Sts., Agr. Pal.
Rosenblatt Co., The, San Francisco, Cal. Cor-
dials. Av. C, cor. 6th St.

Van Bergen, M. & Co., San Francisco, Cal.
Hufeland Tonic Bitters. Av. D, cor. 5th St.

GROUP 131

FERMENTED BEVERAGES.

Buffalo Brewing Co., Sacramento, Cal. Export Beer. 6th St., bet. Aves. B & C.
El Dorado Brewing Co., Stockton, Cal. Bottled Beer. Av. C & 9th St., Agr. Pal.
King's Puremalt Dept., Boston, Mass. Puremalt. Av. E & 4th St.
Seattle Brewing & Malting Co., Seattle, Wash. Bottled & draught beer. Av. C, cor. 6th St.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS
INJURIOUS INSECTS AND
PLANT DISEASES

Brown, C. A., Piru, Cal. Extracted Honey. 6th St., bet. Aves. B & C.

California Bee Keepers' Ass'n, Salida, Cal. 6th St., bet. Aves. A & B. Bees; honey, etc.
California Fruit Cannery's Ass'n, S. F., Cal. Honey. Av. B, bet. 1st & 2nd Sts., Hort. Pal.

Frohlegger, J. C., Berkeley, Cal. Bees, Honey, etc. 6th St., bet. Aves. A & B.

Montana, State of. Collective exh. of honey. Agr. Pal., Aves. A & B, bet. 8th & 9th Sts.

Nevada, State of. Agr. Pal., Av. A, bet. 9th & 10th Sts. Honey.

New York, State of. Collective Exhibit of Honey. Agr. Pal., Av. B, bet. 4th & 5th Sts.

Pacific Coast Syrup Co., S. F., Cal. Honey. Hort. Pal., 4th St., cor. Av. D. Strained honey, and in comb.

Root, The A. I. Co., Medina, O. Bees, Honey, etc. 6th St., bet. Aves. A & B.

Van Wye, S., Modesto, Cal. Bees, Honey, Wax, etc. 6th St., bet. Aves. A & B.

Wright, E. A., Oakland, Cal. Hort. Pal., Av. D, cor. 7th St. Honey.

UNITED STATES

ARKANSAS

Location: Av. B, bet. 5th & 6th Sts.
Agri. Pal.

GROUP 124

FARINACEOUS PRODUCTS AND THEIR
DERIVATIVES

Mammoth Springs Milling Co.—Mammoth Springs. Flour.

GROUP 128

WATERS AND UNFERMENTED FRUIT
JUICES

De Sota Spring Co.—Hot Springs. Water.
Mountain Valley Spring Co.—Hot Springs. Natural Medicine and Table Water.
The Ozarka Co.—Eureka Spring. Pure Water.

CALIFORNIA

Location: Av. C, Between 5th and 6th Sts.

GROUP 117.

TOBACCO

L. D. M. Cigar Company—Alameda Co. Cigars.
St. Elmo Cigar Co.—Los Angeles Co. Cigars.
Culp, M.—Santa Clara Co. Tobacco, Cigars.

GROUP 122

ANIMAL FOOD PRODUCTS

Monterey County. Cheese, Factory Butter.
Siskiyou County. Butter, Cheese.
Bird's Creamery—Solano Co. Butter.
Dixon Creamery—Solano Co. Butter.
Dixon Certified Dairy—Solano Co. Dairy Fittings, Tec.
Fontana, C. E.—Solano Co. Eggs.
Tuya, H. E.—Solano Co. Dairy Fittings.
Western Creameries Co.—Solano Co. Butter.

GROUP 124

FARINACEOUS PRODUCTS AND THEIR
DERIVATIVES

Hygienic Health Food Co.—Alameda Co. Prepared Health Food from Cereals.

Perfection Food Cereal Co.—Alameda Co. Prepared Food Cereals.

San Jose Paste Co.—Santa Clara Co. Italian Paste.

Sperry Milling Co.—Solano Co. Flour from Cereals.

GROUP 125

BREAD AND PASTRY

California Cracker Co.—Alameda Co. Fancy Crackers.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Alameda County. Processed Vegetables.

Nichols, W. D.—Alameda Co. Processed Vegetables.

Alexander, C. B.—Kern Co. Processed Egyptian Corn.

Bernhart, A. E.—Kern Co. Processed Lima Beans.

Bidnot, Jno.—Kern Co. Processed Mangelwurzel Beet.

Canfield Ranch—Kern Co. Jerusalem Artichoke, Processed.

De Rusha, Jos.—Kern Co. Processed Cucumbers and Onions.

Eberlin, Jno.—Kern Co. Processed Casaba Melons.

Keith, J. H.—Kern Co. Processed Peanuts.

Karnakis, Jos.—Kern Co. Processed Vegetables.

Kern County High School—Kern Co. Processed German Millet.

Knight, H.—Kern Co. Processed Summer Squash.

Leach, W. H.—Kern Co. Processed Onions—Bermudas.

Melcher, C. A.—Kern Co. Processed Welch Cucumbers.

Meyers, H.—Kern Co. Processed Barr Wheat.

Miller & Lux—Kern Co. Processed Japanese Rice.

Pauley Bros.—Kern Co. Processed Barley.

Pearson, L. O.—Kern Co. Processed Sweet Potatoes.

Peters Bros.—Kern Co. Processed Rhubarb and Potatoes.

Rawley, L. W.—Kern Co. Processed Sun Flowers.

Scarlett, W. C.—Kern Co. Processed Beans and Tomatoes.

Smith, B. F.—Kern Co. Processed Corn.

Smith, H. F.—Kern Co. Processed Celery.

Spangler Bros.—Kern Co. Processed Water Melons.

Su Hee—Kern Co. Processed Carrots and Okra.

Tupman, Tom—Kern Co. Processed Oats.

Santa Clara County. Processed Vegetables.

Siskiyou County. Processed Vegetables.

Central California Canneries—Solano Co. Canned Asparagus.

Grope, Miss H.—Sonoma Co. Vegetables.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

California Pickle & Sauce Co.—Alameda Co. Pickles.

Cardinet Candy Co.—Alameda Co. Confectionery.

Cochran McCarron—Alameda Co. Coffee and Flavoring Extracts.

H. & S. Co.—Alameda Co. Prepared Custard and Fruit Powder.

Lehnhardt—Alameda Co. Candies.

Muller Bros.—Alameda Co. Vinegar, Catsup, Pickles, Sauces, etc.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

Alameda Soda Water Co.—Alameda Co. Carbonated Soda Water.

Alum Rock Park—Santa Clara Co. Mineral Waters.

Benicia Brewery—Solano Co. Carbonated Drinks.

Bernal, P.—Santa Clara Co. Mineral Water.

California Cider Co.—Alameda Co. Cider.

California Mineral Water Co.—Solano Co. Mineral Waters.

Jackson's Napa Soda—Napa Co. Mineral Waters.

Oakland Pioneer Soda Water Co.—Alameda Co. Carbonated Soda Water.

Owens, Len. D.—Napa Co. Mineral Waters.

Walters Water—Napa Co. Mineral Water.

Western Cider Works—Napa Co. Apple Cider and Juice.

White Sulphur Spring Co.—Solano Co. Water.

GROUP 129

WINES AND BRANDIES

Bruck Grape Juice Co.—Napa Co. Grape Juice—Red and White.

Cucamonga Vintage Co.—San Diego Co. Wines and Brandies.

Cucamonga Winery—San Diego Co. Wines and Brandies.

Etienne Bros.—Los Angeles Co. Wines and Brandies.

El Quinto Winery—Santa Clara Co. Claret Wine.

Italian Vineyard Co.—San Bernardino Co. Wines and Brandies.

Lint, P. F.—Santa Clara Co. Wines and Brandies.

Masson, Paul—Santa Clara Co. Wines.

Mount Hamilton Vineyard—Santa Clara Co. Wines.

Old Mission Vintage Co.—San Diego Co. Wines and Brandies.

Sierra Madre Vintage Co.—Los Angeles Co. Wines and Brandies.

Stern & Son, Chas.—Riverside Co. Wines and Brandies.

Winedale Company—Alameda Co. Wines—Dry and Sweet.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL

California Peanut Company—Alameda Co. Peanut Butter.

Levi Co., Simon—Los Angeles Co. Chili Peppers (canned).

Winedale Company—Alameda Co. Liquors.

GROUP 131

FERMENTED BEVERAGES

Golden West Brewing Co.—Alameda Co. Beer.

Anaheim Brewery—Orange Co. Beer and Malt Tonic.

Los Angeles Brewing Co.—Los Angeles Co. Beer and Malt Tonic.

Maier Brewing Company—Los Angeles Co. Beer.

Oakland Brewing & Malting Co.—Alameda Co. Beer.

Siskiyou County. Beer.

Sonoma Brewery—Solano Co. Beer.

GROUP 132

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Buck, Fred H.—Solano Co. Honey and Beeswax.

Los Angeles Honey Co.—Los Angeles Co. Honey.

Monterey County. Honey.

Simmons, Geo.—Siskiyou Co. Honey.

Van Thomas Honey Co.—Los Angeles Co. Honey.

IDAHO

Palace of Agriculture

Location: Avs. B & C, bet. 6th & 7th Sts.

GROUP 122**ANIMAL FOOD PRODUCTS**

Clover Leaf Cheese Factory—Buhl. Cheese.
 Meridian Cheese Factory—Meridian. Cheese.
 Parma Cheese Factory—Parma. Cheese.

GROUP 124**FARINACEOUS PRODUCTS AND THEIR DERIVATIVES**

St. Anthony Milling & Elevator Co.—St. Anthony. Flour.

ILLINOIS

Location: Palace of Agriculture, Av. C, cor. 5th St.

GROUP 124**FARINACEOUS PRODUCTS AND THEIR DERIVATIVES**

American Manufacturers Assn. — Chicago. Cornstarch.

GROUP 127**SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS**

American Manufacturers Assn.—Chicago. Corn syrup, sugar, candy, etc.

GROUP 130**SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL****ALCOHOL**

Woolner Distilling Co.—Peoria. Whiskey, gin, etc.

LOUISIANA

Location: Palace of Agriculture, 10th St., bet. Avs. B & C.

GROUP 124**FARINACEOUS PRODUCTS AND THEIR DERIVATIVES**

Federico & Piszati—New Orleans. Macaroni.
 Jerrolleman & Co.—New Orleans. Pancake flour.

La Cerva & Co.—New Orleans. Macaroni.
 Southern Macaroni Mfg. Co.—New Orleans. Macaroni.

GROUP 125**BREAD AND PASTRY**

Gulf Manufacturing Co.—New Orleans. Baking powder.

GROUP 126**PRESERVED MEAT, FISH AND VEGETABLES**

Conservation Commission of La.—New Orleans. Food fishes.

Dunbar, Lopes & Ducate — New Orleans. Canned goods.

Foley, Mrs. J. J.—Covington. Canned goods.
 McIlhenny Co.—Avery Island. Canned goods.

GROUP 127**SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS**

American Coffee Co.—New Orleans. Coffee.
 Bulliard, Ed.—St. Martinsville. Peppers & sauces.

Dunbar Molasses & Syrup Co.—New Orleans. Cane syrup.

Fuerst & Kramer—New Orleans. Confectionery.

Gaidry, J. E.—New Orleans. Pepper sauce.
 Godchaux Refining Co.—Reserve. Cane Sugar.
 Hearne & Jones—New Orleans. Cane syrup & molasses.

Koppel, A.—New Orleans. Flavoring extracts.
 Laurel Grove Sugar Refinery—New Orleans. Cane sugar.

Merchants Coffee Co.—New Orleans. Coffee.
 McIlhenny Co.—Avery Island. Tobacco sauce.
 Miller, Elmer, Candy Co.—New Orleans. Confectionery.

Myles Salt Co.—New Orleans. Salt.
 New Orleans Coffee Co.—New Orleans. Cane syrup & coffees.

Penick & Ford—New Orleans. Cane syrup.
 Peytavin, John L.—Union. Gumbo file.

Oulliber Coffee Co.—New Orleans. Coffee.
 Sanford, F. L.—Zona. Cane syrup.

Southern Coffee Mills—New Orleans. Coffee.
 Womack, E. E., & Son—Greensburg. Cane syrup.

GROUP 130**SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL**

Handy & Co., T. H.—New Orleans. Liqueurs.
 Jung, L. E.—New Orleans. Cordial & Liqueurs.

MONTANA

Location: Palace of Agriculture, Avs. A & B, bet. 8th & 9th Sts.

GROUP 124**FARINACEOUS PRODUCTS AND THEIR DERIVATIVES**

Bozeman Milling Co.—Bozeman. Flour & prepared cereals.

Cascade Milling & Electric Co.—Townsend. Flour.

Interstate Mountain Milling Co.—Townsend. Flour.

Montana Flour Mills—Lewistown. Flour.

Royal Milling Co.—Great Falls. Flour.

Russel-Miller Milling Co.—Billings. Flour.

GROUP 127**SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS**

Billings Sugar Co.—Billings. Sugar.

GROUP 123

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Copenhaver, Dr. Helena. Honey.
Kleinhesselink, E. J. -Big Timber. Honey.

NEVADA

Palace of Agriculture

Location: Ave. A, bet. 9th and 10th Sts.

GROUP 122

ANIMAL FOOD PRODUCTS

Crescent Creamery. Reno. Butter.
Deeth Creamery. Deeth. Butter.
Jensen Creamery. Reno. Butter.
Lamoille Creamery. Lamoille. Butter.
Minden Butter Co. Minden. Butter.
Queen Creamery. Smith. Butter.
Lovelock Creamery. Lovelock. Butter.
Ramelli, Caesar. Reno. Cheese.
North Fork Creamery. Reno. Butter.
Standard Creamery. Reno. Butter.
University Dairy. Reno. Butter, cheese.
Yerington Creamery. Yerington. Butter.

GROUP 123

EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOOD AND BEVERAGES

Nevada, State of. Reno. Flour mills.
Nevada Sugar Co. Fallon. Sugar factories.
Riverside Mill Co. Reno. Flour mills.

GROUP 124

FARMING PRODUCTS AND THEIR DERIVATIVES

Barlow, A. H. -Mason. Honey.
Bechtel, I. -Lovelock. Honey.
Bower, G. M. -Lamoille. Honey.
Earl, J. I. -Overton. Honey.
Graham, G. C. -Reno. Honey.
Griffith, W. W. -Las Vegas. Honey.
Guthrie, R. M. -Reno. Honey.
Jensen, E. -Reno. Honey.
Penrose, Wm. -Wabuska. Honey.
Schweis, G. C. -Reno. Honey.
Swingle, C. G. -Hazen. Honey.
Trickey, G. C. -Reno. Honey.

FARMING PRODUCTS AND THEIR DERIVATIVES

Barlow, A. H. -Mason. Honey.
Bechtel, I. -Lovelock. Honey.
Bower, G. M. -Lamoille. Honey.
Earl, J. I. -Overton. Honey.
Graham, G. C. -Reno. Honey.
Griffith, W. W. -Las Vegas. Honey.
Guthrie, R. M. -Reno. Honey.
Jensen, E. -Reno. Honey.
Penrose, Wm. -Wabuska. Honey.
Schweis, G. C. -Reno. Honey.
Swingle, C. G. -Hazen. Honey.
Trickey, G. C. -Reno. Honey.

Santina, J. -Wabuska. Onions.
Scott, A. -Yerington. Parsley.
Schact, Wm. -Yerington. Sugar Beets.
Shirley, F. -Dayton. Tomatoes, Peanuts.
Snyder, J. -Yerington. Tomatoes.
Strosnider, L. A. -Yerington. Carrots.
Warren, H. -Wabuska, Casaba.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Black, C. -Deeth. Vinegar.
Guthrie, R. M. -Reno. Vinegar.
Nevada Sugar Co. -Fallon. Sugar.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Barlow, A. H. -Mason. Honey.
Bechtel, I. -Lovelock. Honey.
Bower, G. M. -Lamoille. Honey.
Earl, J. I. -Overton. Honey.
Graham, G. C. -Reno. Honey.
Griffith, W. W. -Las Vegas. Honey.
Guthrie, R. M. -Reno. Honey.
Jensen, E. -Reno. Honey.
Penrose, Wm. -Wabuska. Honey.
Schweis, G. C. -Reno. Honey.
Swingle, C. G. -Hazen. Honey.
Trickey, G. C. -Reno. Honey.

NEW YORK

Location: Palace of Agriculture, Av. B, bet. 4th & 5th Sts.

GROUP 122

ANIMAL FOOD PRODUCTS

Barlow, A. H. -Mason. Honey.
Bechtel, I. -Lovelock. Honey.
Bower, G. M. -Lamoille. Honey.
Earl, J. I. -Overton. Honey.
Graham, G. C. -Reno. Honey.
Griffith, W. W. -Las Vegas. Honey.
Guthrie, R. M. -Reno. Honey.
Jensen, E. -Reno. Honey.
Penrose, Wm. -Wabuska. Honey.
Schweis, G. C. -Reno. Honey.
Swingle, C. G. -Hazen. Honey.
Trickey, G. C. -Reno. Honey.

FARMING PRODUCTS AND THEIR DERIVATIVES

Barlow, A. H. -Mason. Honey.
Bechtel, I. -Lovelock. Honey.
Bower, G. M. -Lamoille. Honey.
Earl, J. I. -Overton. Honey.
Graham, G. C. -Reno. Honey.
Griffith, W. W. -Las Vegas. Honey.
Guthrie, R. M. -Reno. Honey.
Jensen, E. -Reno. Honey.
Penrose, Wm. -Wabuska. Honey.
Schweis, G. C. -Reno. Honey.
Swingle, C. G. -Hazen. Honey.
Trickey, G. C. -Reno. Honey.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Adirondack Maple Co.—Lowville. Maple syrup.
Sweet, Thomas—Albion. Ketchup.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

Empire State Wine Co.—Penn Yan. Grape juice.
Lewis, T. H.—Hammondsport. Grape juice.
Paritan Food Products Co., Inc.—Fredonia. Grape juice.
Welch Grape Juice Co.—Westfield. Grape juice.

GROUP 129

WINES AND BRANDIES

Empire State Wine Co.—Penn Yan. Champagne, Burgundy, sweet wines, etc.
Hammondsport Vintage Co.—Penn Yan. Champagne, Burgundy, sweet and dry wines, etc.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Morris, Walter C.—Yonkers. Honey, beeswax.
North, Ellen H. (Miss)—Geneseo. Honey.

GROUP 134

FORESTRY

New York State College of Forestry—Syracuse. Models showing forest planting, watershed protection, and prevention of erosion.

GROUP 135

FOREST PRODUCTS

New York State College of Forestry—Syracuse. Forest products.

OHIO

Location: Palace of Agriculture, Av. B, bet. 4th & 5th Sts.

GROUP 123

EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOOD AND BEVERAGES

German-American Sugar Co.—Paulding. Sugar factory.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Morris, D. H.—Springfield. Honey.
Root, The A. I. Co.—Medina. Honey.

WASHINGTON

Location: 6th St., bet. Aves. B and C.

GROUP 123

EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOOD AND BEVERAGES

Burpee & Letson, Bellingham.
Salmon canning and weighing machinery.
Seattle-Astoria Iron Works, Seattle.
Salmon canning and weighing machinery.
Smith Cannery Machine Co., Seattle
Salmon canning and weighing machinery.

GROUP 125

BREAD AND PASTRY

Shibata, U. Co., Seattle. Rice cakes.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Washington, State of—Processed fish.
Sea Beach Packing Co., Aberdeen. Can. clams

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Yakima Food Products Co., North Yakima.
Vinegar. Hort. Pal.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

Church Mfg. Co., Kennewick. Grape juice plant & bottled grape juice. Hort. Pal.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

North Yakima Com'l. Club, North Yakima.
Honey. Hort. Pal.
Ramage, J. B., North Yakima. Honey. Hort. Pal.
Sires, V., North Yakima. Honey. Hort. Pal.

UNITED STATES GOVERNMENT EXHIBIT

INSULAR POSSESSIONS

PALACE OF FOOD PRODUCTS

Location: Ave. D & 2nd St.

Bureau of Fisheries. Exhibit of fish, fishing equipment, etc.

PHILIPPINE ISLANDS

Location: Philippine Pavilion, Avenue of the Nations

GROUP 117

TOBACCO

Alhambra Cigar Factory. Manila. Cigars & cigarettes.

Ehrman Bros. & Co.--San Francisco. Philippine Cigars.

Gunst & Co., M. A. San Francisco. Philippine Cigars.

Katubusan Cigar Factory. Manila. Cigars.

La Flor De Isabela Cigar Factory, C. G. T. F. Manila. Cigars, cigarettes and smoking tobacco.

La Insular Cigar Factory. Manila. Cigars.

La Prueba Cigar Factory. Manila. Cigars.

Manila Commercial Co. Manila. Cigars & cigarettes.

GROUP 123

EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOODS AND BEVERAGES

Government of the Philippine Islands. Machine for rolling and pressing apparatus for preparing chocolate with mill rice mill, sugar mill.

GROUP 131

LAMINACEOUS PRODUCTS AND THEIR DERIVATIVES

Government of the Philippine Islands. Machine for rolling and pressing apparatus for preparing chocolate with mill rice mill, sugar mill.

GROUP 137

SUGAR AND CONFECTIONERY, CONDI- MENTS AND RELISHES; NUTS AND FRUIT FOODS

Government of the Philippine Islands. Machine for rolling and pressing apparatus for preparing chocolate with mill rice mill, sugar mill.

Javellana, Julio. Iloilo. Cane sugar.

Ledesma, Jose. Iloilo. Cane sugar.

Lizarraga Bros. Iloilo. Cane sugar.

Mountain Province. Bontoc, Mt. Province. Coffee.

Ponzo & Co., Lim. Iloilo. Cane sugar.

Province of Laguna. Sta. Cruz, Laguna. Coffee.

Roxas, Antonio P. Manila. Cane sugar.

San Carlos Milling Co. San Carlos, Occ. Negros. Cane sugar.

Stevenson, W. F. & C. Manila. Cane sugar.

Urquijo, Eulogio Y Escobi. Iloilo. Cane sugar.

Warner, Barnes & Co. Manila. Cane sugar.

Yaptico, F. M. Iloilo. Cane sugar.

Ynchausti & Co. Iloilo. Cane sugar.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL

Ayala Distillery. Manila. Alcohol, wine and gin made from sugar and rice.

Clementina Distillery, C. G. T. F. Manila. Alcohol, wine, gin made from sugar, rice and coconut palm.

La Flor Distillery. Tayabas. Alcohol from sap of the coconut palm.

Primitivo San Agustin. Wine from sap of the coconut palm.

Santos, Mariano. San Roque, Cavite. Philippine pickles.

Villamor Distillery. Wine from sap of the coconut palm.

GROUP 131

FERMENTED BEVERAGES

Government of the Philippine Islands. Manila. Fuba (a drink from the sap of the coconut palm).

Mountain Province. Tapuy (made from fermented rice).

Province of Ilocos Sur. Vigan, Ilocos Sur. Ilocos made from juice of sugar cane.

PORTO RICO

Location: Palace of Agriculture, 9th St. Bet. Ave. C and D

GROUP 137

SUGAR AND CONFECTIONERY, CONDI- MENTS AND RELISHES; NUTS AND FRUIT FOODS

Government of Porto Rico. Collective Exhibit

FOREIGN GOVERNMENTS

ARGENTINE

Location: 1st St., Cor. Av. A

GROUP 117

TOBACCO

Compania Argentina De Tabacos, Ltd.—Buenos Aires. Cigars and Cigarettes.
Compania Introdutora De Buenos Aires—Buenos Aires. Cigars and Cigarettes.
La Tabacalera Argentina—Buenos Aires. Cigars and Cigarettes.
Piccardo & Co.—Buenos Aires. Cigars and Cigarettes.

GROUP 122

ANIMAL FOOD PRODUCTS

Argentine Committee—Buenos Aires. Cheese.
Granja Blanca—Buenos Aires. Condensed Milk.
Santa Maria & Vinas—Buenos Aires. Pasteurized Natural Milk.

GROUP 123

EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOOD AND BEVERAGES

Ocea, Eng Ezequiel—Buenos Aires. Soda Water.
Frigorifico Argentino (Refrigerator)—Buenos Aires. Photographs.
Frigorifico La Blanca (Refrigerator)—Buenos Aires. Photographs.
Frigorifico La Negra—Buenos Aires. Photographs.
Frigorifico La Plata Cold Storage Co.—La Plata. Photographs.

GROUP 124

FARINACEOUS PRODUCTS AND THEIR DERIVATIVES

Arrocera y Almidonera Argentina—Buenos Aires. Rice and Starch.
Bauer, Guillermo—San Carlos Sud. Flour.
Draissen, Miguel—Villa Alba. Flour.
Marchese, Agustin—Buenos Aires. Paste, Bread, Biscuits, etc.
Minetti & Cia, Juan y Domingo—Cordoba. Flour.
Nicolini & Co.—Buenos Aires. Pastes.
Oria, Fredaler & Co.—Monte Caseros. Pastes.
Ortali Hnos & Co.—Concordia. Flour.
Semino, Juan—Rosario. Flour.
Schenzer, Jose B.—Buenos Aires. "Kefir Schenzer" Ferment.
Sociedad Anonima La Paz—La Paz. Pastes.
Minetti & Co., Juan y Domingo—Cordoba. Flour.
Secorndo & Co.—Buenos Aires. Gluten Products.
Werner & Co.—Rosario. Flour.

GROUP 125

BREAD AND PASTRY

ma. ~~Minetti~~ Gualagaychu. Biscuits.
—Buenos Aires. Biscuits.
—Buenos Aires. Biscuits.

Canale e Hijo, viuda de—Buenos Aires. Biscuits.

Carpinacci e Hijos—Buenos Aires. Biscuits.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Argentine Committee—Buenos Aires. Preserved products from different manufacturers.
Dapolo & Cia—Puerto Madryn. Preserved Fish.
Eichorn Hermanos—Cordoba. Preserved Vegetables.
Vitaloni & Co., Horacio—Buenos Aires. Preserved Vegetal and Animal Products.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Brenna, Cayetano—Buenos Aires. Caramels, Bonbons, Refined Sugar.
Bassi, Daniel—Buenos Aires. Chocolate, Bonbons.
Barthe, D.—Buenos Aires. Yerba Mate (Tea).
Colombo, Carlos—Buenos Aires. Bonbons, Caramels, Chocolates.
Cornejo e Hijos—Salta. Sugar.
Ingenio "Las Palmas Del Chaco Austral"—Chaco. Sugar.
Ingenio Ledesma—Salta. Sugar.
La Industrial Paraguaya, Pinasco Co.—Rosario. Yerba Mate (Tea).
Leach's Argentine Estates, Ltd.—San Pedro. Sugar.
Mercado Benito—Salta. Refreshments.
Ortega & Co., Enrique P.—Buenos Aires. Yerba Mate (Tea).
Rouges & Rouges—Tucuman. Unrefined Sugar.
Rossi, Juan M.—Resistencia. Peanut Cakes, etc.
Reibaldi & Gandini—Buenos Aires. Sweets.
Refineria Argentina (Inc.)—Rosario. Sugar.

GROUP 127

Sbarbi, Pedro & Varona, Enrique—Buenos Aires. Pimienton.
Sociedad Anonima La Paz—La Paz. Syrups.
Saint Hermanos—Buenos Aires. Chocolates, Bonbons, Coffee.
Ischudin & Dreosti—Cordoba. Vinegar.
Vitaloni & Co., Horacio—Buenos Aires. Sweets, Condiments and Pickles.
Varona, Enrique—Buenos Aires. Pimienton.
Vercosi, Pedro. Assorted Frutties, Egg Sweets.
Wudff, Otto—Vicentini. Sugar.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

Diaz & Co., Francisco A.—Navarro. Cid—Eguiguren, Bernardo—San Juan. Water.

La Union Villavicencio (Inc.)—Mendoza. Mineral Water.
Termas Rosario de la Frontera—Salta. Natural Mineral Water.

GROUP 120

WINES AND BRANDIES

Bodegas Arizu (Inc.)—Mendoza. White Wine "Semillon"; Red Wine "Malbeck."
Bodegas y Vinedos Giol (Inc.)—Mendoza. Wines.
Benegas Hermanos & Cia—Buenos Aires. Wines: White and Red.
Barroetavena, Dr. Francisco A.—Escobar. Wines: Red and White.
Clerici, Domingo—Andalgala. Grape Juice, White and Red Wines.
Ceretti, Manuel A.—Godoy Cruz. Red and White Wine.
Chavarría Hermanos—Salta. Red and White Wine.
Castillo & Naldo—Corrientes. Liquors.
Cressentino, Emilio—San Juan. Wines.
Establecimientos Vitivinícolas Francisco Uriburu (Inc.)—San Juan. White and Red Wine.
Graffigna, Santiago—San Juan. Wines.
Inchauspe & Co.—Buenos Aires. Liquors.
Landa, Jacinto—San Juan. Wines.
Langlois, Emilio—San Juan. Red Wines.
Lopez, Salvador P.—San Juan. Peaches and Grape Wines.
Martínez & Co., Bernardo—Mendoza. White and Red Wines.
Norton, Edmundo J. P.—Perdiel Station, Mendoza. White Wine.
Newberry, Carlos & Ernesto—San Nicolas de los Arroyos. Red Wine.
Palencia & Co., Ricardo—Mendoza. Wines.
Pini & Co., A.—Buenos Aires. Liquors.
Sociedad Anonima La Paz—La Paz. Liquors.
Suarez, Alejandro—Station Russell, Mendoza. White and Red Wine.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL

La Union Villavicencio (Inc.)—Mendoza. (Quinine Beverage) Quinado "Babalza," Vermouth.
Pini & Co., A.—Buenos Aires. Vermouth "D'Or."
Pini Hermanos & Co.—Buenos Aires. Vermouth.
Padilla, Guillermo—Tucuman. Alcohols, Cane (Sugar Cane).
Palermo, Francisco—Cafayate, Salta. Muscatel Grape Alcohol.
Sociedad Anonima La Paz—La Paz. Aperitifs.

GROUP 131

FERMENTED BEVERAGES

Cerveceria Palsarmo (Inc.)—Brewery—Buenos Aires. Beers.

Cerveceria Argentina Quilmes—Quilmes. Beers.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Boquet, Jose Maria—Cabana San Carlos. Bees' Honey.
Galarza, Leon—Islands of the Delta del Paraná, Arroyo Caracoles. Bees' Honey.
Malusardi, Guido—Buenos Aires. Bees' Honey.
Oertlin, Geraldo—Lucas Gonzalez. Bees' Honey, Wax, etc.
Tschudin & Dreosti—Cordoba. Bees' Honey, Wax, etc.
Vitaloni & Co., Horacio—Buenos Aires. Honey.

AUSTRALIA

Location: Australian Pavilion, Presidio Entrance, Opposite French Pavilion

GROUP 122

ANIMAL FOOD PRODUCTS

Bacchus Milk Co.—Melbourne, Victoria. Condensed milks.
Cooke, J. & Co.—Melbourne, Victoria. Frozen meats; lamb & mutton.
Department of Agriculture—Melbourne, Victoria. Frozen meats (poultry and wild rabbits); butter.
Foggitt, Jones & Co.—Brisbane, Queensland. Potted cheese.
Government of New South Wales—Frozen meats.
Hutton, J. C., Ltd.—Brisbane, Queensland. Potted cheese.
Standard Dairy Co., The—Brisbane, Queensland. Condensed milk.

GROUP 124

FARINACEOUS PRODUCTS AND THEIR DERIVATIVES

Brisbane Milling Co., Ltd., The—Brisbane, Queensland. Wheat flour.
Department of Agriculture—Melbourne, Victoria. Wheat flour.
Department of Agriculture—Sydney, New South Wales. Arrowroot.
New South Wales Flour Millers Produce Co., Ltd.—Sydney, New South Wales. Patent roller flour.
Thurlow, E. W. & Co., Ltd.—Brisbane, Queensland. Arrowroot.

GROUP 125

BREAD AND PASTRY

Hiron & Son—Brisbane, Queensland. Biscuits.
Morrrows, Ltd. Brisbane, Queensland. Biscuits.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Caloundra Fresh Fish Preserving & Canning Co., The—Brisbane, Queensland. Canned fish (mullet).

Dept. of Agriculture—Wellington. Canned Meats.

Foggitt, Jones & Co.—Brisbane, Queensland. Canned meats.

Queensland Meat Export & Agency Co.—Brisbane, Queensland. Tinned meats.

Taylor & Colledge, Ltd.—Brisbane, Queensland. Dugong oil.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Department of Agriculture & Stock—Brisbane, Queensland. Assorted tropical products.

Fairymead Sugar Co.—Bundaberg, Queensland. Cane sugar.

Morrrows, Ltd.—Brisbane, Queensland. Confectionery.

Thurlow, R. W. & Co.—Brisbane, Queensland. Coffee essence, vinegar, spice & pepper, chutney & curry powders.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

Helidon Spa Water Co.—Brisbane, Queensland. Mineral waters.

Kitz & Co.—Melbourne, Victoria. Apple cider.

Sheekey, T. J., Ltd.—Yass, New South Wales. Aerated beverages.

Xtal Limited—Brisbane, Queensland. Fruit juices.

GROUP 129

WINES AND BRANDIES

Government of Victoria—Assorted wines.

GROUP 131

FERMENTED BEVERAGES

Castlemaine Brewery Co.—Brisbane, Queensland. Ale & stout.

Perkins & Son, Ltd.—Brisbane, Queensland. Ale & stout.

Queensland Brewery Co.—Brisbane, Queensland. Ale & stout.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Department of Agriculture—Melbourne, Victoria. Honey.

BOLIVIA

Bolivian Pavilion, Avenue of the Nations, Opposite Canadian Pavilion

GROUP 124

FARINACEOUS PRODUCTS AND THEIR DERIVATIVES

Bolivian Government—La Paz Dept. Chuno, Tunta.

Bolivian Government—Munaypata, Coroico; San Jeronimo, Coroico; Las Anguias, Coripata. Flour.

Cisneros, Julian—Quellani, La Paz. Flour.

Falza S., Ernesto—Cochuno Alto, Coroico. Flour.

Pincolla, Casto F.—Calpunco, La Paz. Flour.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Bolivian Government—Covendo Missions, Sur Yungas; Negrillani, Coroico. Cocoa.

Bolivian Government—Suri, Inquisivi; San Jeronimo, Coroico; Padilla, Coroico; Huairapata, Chirca, S. Yungas; Villa Aspiazu, S. Yungas. Coffee.

Céspedes, Juan D.—Cocobambo, Saipina Alta. Cane Sugar.

Guenther, Ernesto—San Carlos, Mapiri. Coffee.

Ibanez, Luis A.—San Carlos, Santa Cruz. Coffee.

Frank & Reyes—Caupolican. Cane Sugar.

Falza S., Ernesto—Cochuno Alto, Coroico. Ground Coffee.

Solis, Leonardo—Chimasi, Chulumani. Coffee.

Subirana, Romualdo—Santa Cruz. Cane Sugar.

Velasco, Miguel H.—Lourdes, Ayacucho, Santa Cruz. Coffee.

Villaruel, Mariano—San Onofre, Corani, Chapare. Coffee.

GROUP 129

WINES AND BRANDIES

Avila, Justino—Nuevo Sn Rogue, Camargo, Cinti. Sherry.

Calvo, Jorge—San Pedro, Camargo. Claret, Madeira, Malaga, Singani (Pisco), Cognac.

Donoso, J.—Majuelo, Camataqui, Cinti. Claret.

Dulon, Nestor—Quiscapampa, Camargo, Cinti. Port.

Guzman, Felipe—Pena Colorada, Luribay, La Paz. Singani (Pisco).

La Torre, Benj.—Collpani, Luribay, La Paz. Singani (Pisco).

Loria, Jose J.—El Brinquino, Camargo, Cinti. White Wine.

Molinda, David & Sons—Santa Rosa, Camargo, Cinti. White Wine.

Molinda, David & Sons—Media Luna, Camargo, Cinti. Sherry, Singani (Pisco).

Osio, Daniel—Camataqui, Cinto. White Wine.

Puno, Lorenzo—Callaviri, Inquisive. Port, Sauterne.

Puno, Lorenzo—Callaviri, Ingavi, La Paz. Singani (Pisco).

Reza & Rojas—Vina Nieja, Capinota. White Wine, Claret, Muscatel, Singani (Pisco).

Rivera, Urbano—Mollepampa, Camargo, Cinti. Burgandy, Muscatel, Sherry.

Rivera, Urbano—El Recreo, Camargo, Cinti. Claret, Sherry.

Ruiz, Manuel—San Juan de Dios, Camargo, Cinti. White Wine.

Salvador & Lopez—La Torre, Camataqui, Cinti. Singani (Pisco).

Soto, Maximo—Bella Vista, Camargo, Cinti. Singani (Pisco).

Torres HS., J. C.—Muyurina, Cochabambo. White Wine, Claret, Sherry, Port.

Vaca Flores, A.—El Papagayo, Camargo, Cinti. Muscatel, Sherry, Singani (Pisco).

Wilde, Jose C.—La Aviadora, Camargo, Cinti. Singani (Pisco).

GROUP 130

**SYRUPS AND LIQUORS, DISTILLED
SPIRITS AND COMMERCIAL
ALCOHOL**

Picolomini, Nicacio—Santa Cruz. Rum.
 Salmon, Jose—La Paz. Quinine Liqueur, Coca
 Liqueur.
 Subirana, Romualdo—Santa Cruz. Alcohol.
 Urquidí G., Jose—Quillacollo, Cochabambo.
 Alcohol.

CHINA

Location: 2nd St., Bet. Aves. C & D.

GROUP 122

ANIMAL FOOD PRODUCTS

Province of Kiangsu

Hung Chang. Salted Fowl Egg.
 Lee Yao Ting. Duck and Chicken Egg
 Yellow.

Tung Yu Factory. Egg Yolk and Egg White.

Shanghai

Lee Vee Kee. Dried Egg White.

Province of Shantung

Chili Factory. Egg Yolk.

GROUP 124

**FARINACEOUS PRODUCTS AND THEIR
DERIVATIVES**

Province of Anhui. Anhui Exhibit Assn.
 Flour, Pastes.

Province of Honan. Yung Fung Flour Co.
 Flour.

Province of Hunan. Changsha. Water Chest-
 nut Flour, Ensiliform Bean.

Ching Yung Shien. Behho Flour.

Heng Yengshien. Rice.

Lingshien. Potato Flour.

Siang Tan Shien. Glutinous Rice.

Tzelihshien. Koh Flour.

Province of Kiangsu. Bao Ming. Flour.

Chan Te Shiang. Bean and Glutinous Flours.

Chang Song Tun. Bean Flour.

Chau Fo Ching. Lily Root Flour.

Cheng Yu Chew. Husersu Flour.

Chew Fong. Flour.

Chu Fong Flour Co. Wheat Flour.

Di Heng Tsang. Sanitary Noodles.

Don Yee Lan. Potato Flour.

Fosur Co. Vermicelli, Macaroni.

Fusing Flour Factory. Sun Chop Wheat
 Flour.

Hu Tsai Lin. Caltlov Flour.

Hung Fong. Flour.

Kiang Ven Shee. Tan Hwa Flour.

Kiangsu Association. Husersu Flour, Flour,
 Pastes, Agr. Pal.

Ku Cho San. Sanitary Macaroni.

May Sin Flour Co. Wheat Flour.

Shaw Ven Yung. Tan Hwa Flour.

Sung Dai. Wheat Husk, Flour.

Tang Za Yasa. Flour Pastry.

Tsao Ching Bae. Green Pea Flour.

Tee Mian Ching. Kua Flour.

Tsen Yun Tung. Kua Flour.

Wang Phu Pyau. Lily Flour.

Wang Teh Tsen. Wheat Flour.

Wea Yian. Flour.

Yu Yih Co. Ma Kau Noodles.

Province of Kwangtung. Kwangtung Exhibit
 Assn. Flour, Pastes, Agr. Pal.

Province of Shantung. Woo Yee Tzong. Ver-
 micelli.

GROUP 125

BREAD AND PASTRY

Province of Anhui. Anhui Exhibit Assn. Nut
 Cakes, Agr. Pal.

Province of Fentien. Fentien Exhibit Assn.
 Nut Cakes, Agr. Pal.

Province of Ki Kiangsu. Kiangsu Exhibit
 Assn. Nut Cakes, Agr. Pal.

Province of Kwangtung. Kwangtung Exhibit
 Assn. Nut Cakes, Agr. Pal.

Province of Shanghai. Tai Poong Canned
 Goods Co. Various Biscuits.

GROUP 126

**PRESERVED MEAT, FISH AND VEGE-
TABLES**

Province of Anhui. Anhui Woo Ngho Mai
 Sauce Hong. Canned Fish.

Province of Chekiang. Chen Shan Taen. Cod-
 maw.

Chen Shee. Cuttle Fish.

Chen Tsong Mai. White Fish.

Chen Yit Shu. Yellow Fish Maw.

Chung Hung Shee. Rice Fish Maw.

King Yu Tang. Fish Maw.

Li Tah Fa. Fish Maw.

Mar Yuk Cheu. Flying Fish Maw and Lob-
 ster.

Moa Ong Fi. White Fish Maw.

Sueng Tsan Chin. Yellow Fish Maw.

Sung Wui Sing. Pi Pa, Koh, Tuli Fish.

Wong Chee Chang. Yellow Fish Maw.

Wong Shee Yin. Cuttle Fish.

Wong Tsan Seng. Yellow Fish Maw.

Province of Fukien. Amoy Tinning Co.
 Canned Pork, Salted Beans and Pickled
 Oysters.

China Canning Co. Canned Pork, Fish,
 Bamboo Shoots.

Province of Honan. Kwong Ki Hong Co.
 Canned Bamboo Shoots.
 Wing Shing Chong. Dried Golden Vege-
 tables.

Province of Kiangsu. Ban Ye Sun. Cucumber.
 Ban Ye Sun. Cucumber.

Chen Feng Che. Turnip; Sweet, Red and
 Molin Potatoes.

Hail Teh Yin. Lettuce.

She Nen Yin. Onions.

Shi Tsun Yau. Fish Products.

Tse Yeh Yin. Fish Products.
 Wong Tai Kwei. White Oil.
 Wong Teh Kwei. Sweet Oil.
Province of Kwangtung. Kwang Ki Hong Co.
 Canned Ducks, Rice Sparrows. Agr. Pal.
Province of Shanghai. Chun Ting Yang
 Canned Fruit Co. Various Meat, Fish
 and Vegetable Products.
 Tai Foong Canned Goods Co. Various Meat,
 Fish and Game Products.
 Yu Cheng Sun. Sesamun Oil.
 Yung Tai Chen. Peanut Oil.
Province of Shantung. Leon Shan Factory.
 Isinglass Seaweed.
Province of Tantu. Kiangsu Association.
 Bean Oil.

GROUP 127

SUGAR AND CONFECTIONERY, CONDI-
MENTS AND RELISHES; NUTS
AND FRUIT FOODS

Province of Anhui. Chang Hwa Tea Corp.
 Ltd. Tea. Agr. Pal.
 Chang Tse Ying. Tea. Agr. Pal.
 Chih Che Cham. of Com. Tea. Agr. Pal.
 Chin Shun An Tea Co. Tea.
 Ching Mu. Tea. Agr. Pal.
 Hu Yuen Lung. Tea. Agr. Pal.
 Hung Chong Lung. Tea. Agr. Pal.
 Kee Mun Tea Co. Tea. Agr. Pal.
 Kee Mun Tea Guild. Tea. Agr. Pal.
 Kim Fu Chan. Tea. Agr. Pal.
 Kim Kia Tong. Tea. Agr. Pal.
 Kui Tse Exhibit Ass'n. Tea. Agr. Pal.
 Lee Da Pung. Tea. Agr. Pal.
 Lee Sih Pong. Tea. Agr. Pal.
 Lee Shoh Ying. Tea. Agr. Pal.
 Lyau Yee Kee. Tea. Agr. Pal.
 Shu Wen King. Tea. Agr. Pal.
 Sze Taun Fah. Tea. Agr. Pal.
 Tai Lee Co. Tea. Agr. Pal.
 Tai Ping Cham. of Com. Tea. Agr. Pal.
 Tung Ling Cham. of Com. Tea. Agr. Pal.
 Wan Kwnn Kee. Tea. Agr. Pal.
 Wong Choh Sze. Tea. Agr. Pal.
 Wong Ding Whai. Tea. Agr. Pal.
 Wong Shih Tseng. Tea. Agr. Pal.
 Wong Sung Show. Tea. Agr. Pal.
 Wong Tze Pu. Tea. Agr. Pal.
 Wong Wei Chen. Tea. Agr. Pal.
 Wong Yee Hai. Tea. Agr. Pal.
 Yang Tai Co. Tea. Agr. Pal.

Province of Canton. Kwong Kee Hong Co.
 Condiments.

Kwun Hing Lung. Pumelo Peel.

Province of Chekiang. Chang Pae Chen. Tea.
 Agr. Pal.

Chang Pae Chen. Tea. Agr. Pal.

Char Ke Cham. of Com. Tea. Agr. Pal.

Cheng Chu Sheng. Vinegar. Agr. Pal.

Chien Kia Ying. Tea. Agr. Pal.

Chingning Exhibit Ass'n. Tea.

Chow Nai Chien. Tea. Agr. Pal.

Chow Sze Zuh. Tea. Agr. Pal.

Chung Liu Sang. Tea. Agr. Pal.

Kiu Wah Yuen Co. Tea. Agr. Pal.

Kuh Zo Hee. Tea. Agr. Pal.

Kyon Loh Fu. Tea.

Lung Chien Exhibit Ass'n. Tea. Agr. Pal.

Ong Sze Nien. Tea. Agr. Pal.

Soong Yang Cham. of Com. Tea. Agr. Pal.

Tsing Tien Exhibit Ass'n. Tea. Agr. Pal.

Wong Tse Tseng. Tea. Agr. Pal.

Wong Zung Sing. Tea. Agr. Pal.
 Yang Zur Yung. Tea. Agr. Pal.
 Yee Sing Chen Co. Tea. Agr. Pal.

Province of Chihli. Cent. Agri. Exp. Sta. Ani-
 seed. Agr. Pal.

Wan Hwa Hsing Co. Vinegar. Agr. Pal.

Province of Fukien. Amoy Tinning Co. Canned
 Black Leaf Liches, Myrica.

Char Kwen Chien. Tea. Agr. Pal.

Char Tsai Bang. Tea. Agr. Pal.

Chen King Shan. Tea. Agr. Pal.

Chen Pu Co. Tea. Agr. Pal.

Chen Tai Chang. Tea. Agr. Pal.

Chen Tze Ting. Tea. Agr. Pal.

Chen Wen Pee. Tea. Agr. Pal.

Ching Yen Sung Kee Co. Tea. Agr. Pal.

Fu An Cham. of Com. Tea. Agr. Pal.

Fung Chen Co. Tea. Agr. Pal.

Gin Zeong Co. Sugar Candy, Brown Sugar.

Hung Chen Co. Tea. Agr. Pal.

Hung Fong Co. Tea. Agr. Pal.

Kih Tseng Co. Tea. Agr. Pal.

Kong Ziang Ho. Tea. Agr. Pal.

Kwang Chen Ho. Tea. Agr. Pal.

Kwong Tai Co. Tea. Agr. Pal.

Le Chang Fong. Tea. Agr. Pal.

Le Wai Ching. Tea. Agr. Pal.

Lee Ching Pu. Tea. Agr. Pal.

Lee Lee Kih. Tea. Agr. Pal.

Lee Sih Ting. Tea. Agr. Pal.

Lee Soh Sand. Tea. Agr. Pal.

Lee Tze Sang. Tea. Agr. Pal.

Lee Yen Yung. Tea. Agr. Pal.

Lee Yin Sing. Tea. Agr. Pal.

Lien Kiang Cham. of Com. Tea. Agr. Pal.

Ling Shoh Ting. Tea. Agr. Pal.

Ling Sing Kwei. Tea. Agr. Pal.

Ling Tze Hao. Tea. Agr. Pal.

Mar Yuksee. Tea. Agr. Pal.

Shia Kia Tsung. Tea. Agr. Pal.

Sia Feng Field. Salt. Agr. Pal.

Tai Chong Co. Tea. Agr. Pal.

Tai Sung Chen. Tea. Agr. Pal.

Tai Yuen Co. Tea. Agr. Pal.

Taow Wha Co. Yellow Bean Soy.

Tea Experiment Sta. Tea. Agr. Pal.

Tea Institute. Tea. Agr. Pal.

Tien Shiang Co. Tea. Agr. Pal.

Tsan Tao Chieng. Tea. Agr. Pal.

Tseng Kee Co. Tea. Agr. Pal.

Tuh Mur Co. Tea. Agr. Pal.

Wan Chien Co. Tea. Agr. Pal.

Wan Kee Co. Tea. Agr. Pal.

Wu Fan Chi. Tea. Agr. Pal.

Wu Huh Co. Tea. Agr. Pal.

Yang Chih Tong Co. Tea. Agr. Pal.

Yang Ching Ke. Tea. Agr. Pal.

Yang Dong Tau. Tea. Agr. Pal.

Yan Kee Yuen. Tea. Agr. Pal.

Yin Ba Kee. Tea. Agr. Pal.

Yu Wha. Tea. Agr. Pal.

Yu Wha Co. Tea. Agr. Pal.

Province of Honan. Honan Exhibit Ass'n.
 Tea. Agr. Pal.

Province of Hunan. Various Districts. Tea.
 Agr. Pal.

Province of Hupeh. Bu Gee Cham. of Com.
 Tea.

Bu Gee Cham. of Com. Tea.

Chen Chi Co. Tea. Agr. Pal.

Chien Yuen Ziang. Tea.

Chong Kee. Tea.

Chong Shen Chien. Tea. Agr. Pal.

Dong Tah Ho Co. Tea.

Hee Tai Chang. Tea.

Hing Kee Co. Tea.

Province of Kiangsu. Chang Kwea Chun.

Wine.
 Chen Kwa Chien. Wine.
 Jen Lih San. Medical Wine.
 Lin Chian Hang. Wines.
 May Li. Wine.
 Ping Fah Ziang. Wine.
 Tai Sang Liquor Co. Liquor and Wine.
 Tien Yuen Yo Wine Co. Wine.
 Van Tsun Yu. Liquor.
 Van Yean. Wine and Liquor.
 Van Zung Sauce Factory. Wine.
 Wan Chin Fu. Wine.
 Wang Hwa Chi. Wine.
 Wuang Ho Zung. Wine.
 Yao Peh Lee. Liquor.
 Yee Shung Hun. Wine.
 Yee Sin Tai. Wine.

Province of Shanghai. Chew Kan Liquor

Factory. Wine.
 Chian Tsung Ziang. Wine.
 Chun Ting Yang Canned Food Co. Wine.
 Dah Ching Yoong Wine Co. Wine.
 Ting Ying Kwean. Wines and Liquors.
 Wan Shing Kon. Wine.
 Wong Hung Yu Co. Liquor, Wine.

Province of Shantung. Chang Yu Pioneer

Wine Co. Wines and Brandies.
 Lau Ling Factory. Wine.
 Yu Tang Factory. Wine.

Ching Chi Tea Co.—Kwangtai, Anhin. Green

Tea.

CUBA

Location: Av. A, bet. 1st & 2nd Sts.

GROUP 117**TOBACCO**

Alvares & Garcia—Habana. Cigars.
 Alvares & Lopes—Habana. Cigars.
 Alvares, Julian—Habana. Cigars.
 Almones, Ramon—Habana. Cigars.
 Berthons & Co.—Habana. Cigars.
 Beck & Co.—Habana. Cigars.
 Clay Beck & Co., Henri—Habana. Cigars.
 Cifuentes & Fernandez & Co.—Habana. Cigars and cigarettes.
 Diaz & Brothers—Habana. Cigars and cigarettes.
 Espinosa, Joaquin—Habana. Cigarettes.
 Fonseca, F. E.—Habana. Cigars.
 Fernandes & Garcia, A.—Habana. Cigars.
 Gandarillas, Vicente—Habana. Cigars.
 Garcia Alonso, Manuel—Habana. Cigars.
 Mantilla, Florentino—Habana. Cigarettes.
 Mestre & Mijana, Jose—Habana. Cigars.
 Murias, Pedro—Habana. Cigars.
 Pita & Brothers—Habana. Cigars.
 Portagna, Raul—Habana. Cigars.
 Rodriguez & Menendez—Habana. Cigarettes.
 Rodriguez & Brothers—Habana. Cigars.
 Rodriguez, Manuel—Habana. Cigars.
 Rocha, J. P. & Co.—Habana. Cigars.
 Rivero, Vinda de—Habana. Cigars.
 Sarragueta & Quinones—Habana. Cigars & cigarettes.
 Seideman & Co.—Habana. Cigars.
 Saevedra Brothers—Habana. Cigars & cigarettes.
 Dr. L. E.—Habana. Cigars.
 Villar—Habana. Cigars.

GROUP 124**FARINACEOUS PRODUCTS AND THEIR DERIVATIVES**

Diaz, Francisco—Guira Melena. Starch.
 Gonzales & Sons—Quivicán. Starch.
 Huergo & Nephews—Quivicán. Starch.
 Torres, Benito—Guira Melena. Starch.

GROUP 127**SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS**

Baquer Son & Co.—Habana. Chocolate.
 Pujol, Antonio—Camaguey. Candies.
 Villaplana Guerrero & Co.—Habana. Chocolates, biscuits.
 Villar, Gutierrez & Sanchez—Habana. Chocolates.

GROUP 128**WATERS AND UNFERMENTED FRUIT JUICES**

Abril, Manuel—Matanzas. Mineral water.
 San Fernando—Caney-Oriente. Mineral water.

GROUP 129**WINES AND BRANDIES**

Aldabo, E.—Habana. Liquors.
 Compania Licorera Cubana—Manzanillo. Liquors.
 Negrreira, Manuel—Habana. Liquors.

GROUP 130**SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL**

Casals, Carlos—Manzanillo. Vegetable alcohol.

GROUP 133**USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES**

Aldabert, Antonio—Habana. Honey.
 Vargas, Victor—Santiago de las Vegas. Honey.

FRANCE

Location: French Pavilion, Av. of Nations,
 South of Fine Arts Palace

GROUP 124**FARINACEOUS PRODUCTS AND THEIR DERIVATIVES**

Dagrond & Co. (Pol).—Montauban. Flours.
 Louit Bros. & Co. Tapioca.
 Simon (Gerges)—Chaumont. Food Products.

GROUP 125**BREAD AND PASTRY**

Biscuits Pernot—Dijon. Biscuits, Cakes, Desserts.
 Etablissements Du Sud Ouest—Montauban—Gluten-bred "Unic."
 Olibet (Societe des Biscuits)—Sures cuita.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Ancelin (Henri). Canned Goose-liver.
 Bignon E. Salted Meats.
 Brezlat, Eugene—Paris. Canned Meats.
 Boussaroque, F. Oils.
 Etablissements Dandicolle & Gaudin. Oils.
 Societe Anonyme Duprat & Durand. Salted Meats.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Boussaroque, F. Mustard.
 Durand, A. — Carcassonne (Aude). Glacé Fruits.
 Etablissements Dandicolle & Gaudin. Pickles.
 Fichot Landin, L.—Paris. Vegetable Colors for Food Use and Syrups.
 Louit Bros. & Co. Pickles. Mustard and Chocolate.
 Menier Mills—Naisiel. Chocolates, Coconas.
 Price, L. A. & Co. Pickles, Mustard.

GROUP 129

WINES AND BRANDIES

Collective Exhibit of the Wine-Growing and Agricultural Syndicate of Saint Emilion (Gironde)

Bouffard, Ferdinand—St. Emilion. Wines.
 Capdemourlin—St. Emilion. Wines.
 Dubois Challon, E.—St. Emilion. Wines.
 Jullien, G.—St. Emilion. Wines.
 Terme-Dubroca, P.—St. Emilion. Wines.
 Lande-Lapelletrie—St. Emilion. Wines.
 Collective Exhibit of the Wholesale Commerce of Wines and Liquors of Gironde
 Boshamer (C. S.), Leon & Co.—Bordeaux. Wines and Liquors.
 Bouffard, Jules—Bordeaux. Wines and Liquors.
 Chaigneau (J. & Co.)—Bordeaux. Wines and Liquors.
 Collin & Sons Brothers—Bordeaux. Wines and Liquors.
 Delor (A. & Co.)—Bordeaux. Wines and Liquors.
 Descas, Father & Son—Bordeaux. Wines and Liquors.
 Douat Brothers—Bordeaux. Wines and Liquors.
 Dubos (A. & J. Brothers & Co.)—Bordeaux. Wines and Liquors.
 Dupont, Evariste—Bordeaux. Wines and Liquors.
 Galibert & Varon—Bordeaux. Wines and Liquors.
 Hanappier & Co.—Bordeaux. Wines and Liquors.
 Latrille & Ginetet—Bordeaux. Wines and Liquors.
 Larcher (S.), Father & Son—Bordeaux. Wines and Liquors.

Marceau (Min.)—Bordeaux. Wines and Liquors.

Marot (J. J.) & Sons—Bordeaux. Wines and Liquors.

Mestrezat & Co.—Bordeaux. Wines and Liquors.

GROUP 129

Meyniac (C.) & Co.—Bordeaux. Wines and Liquors.

Petit-Laroche (J.) & Co.—Bordeaux. Wines and Liquors.

Prom (J.) & Co.—Bordeaux. Wines and Liquors.

Richard & Muller (Etablissements)—Bordeaux. Wines and Liquors.

Thompson (H.) & Co.—Bordeaux. Wines and Liquors.

Veen, F. & Co.—Bordeaux. Wines and Liquors.

Collective Exhibit of the Syndical Union of Bordeaux Wine-Merchants No. 8, Cours

De La Martinique

Audinet & Buhan—Bordeaux. Wines and Liquors.

Bethmann, E. De—Bordeaux. Wines and Liquors.

Chabannes, E. & Co.—Bordeaux. Wines and Liquors.

Cruse & Sons, Brothers—Bordeaux. Wines and Liquors.

Guilhous, A. & Son—Bordeaux. Wines and Liquors.

Johnston, Nath. & Sons—Bordeaux. Wines and Liquors.

Kressmann, Ed. & Co.—Bordeaux. Wines and Liquors.

Luze, A. de & Sons—Bordeaux. Wines and Liquors.

Will-Tourneur & Co.—Bordeaux. Wines and Liquors.

Collective Exhibits of the Wine Syndicate of Sauternes and Barsac Districts

Bannel, Edgard & Marc. Wines.

Bernard, Heritiers. Wines.

Drouilhet de Sigalas. Wines.

Lafon, E. Desir. Wines.

Lur Saluces, Comte E. de. Wines.

Milleret, Rene. Wines.

Petit De Forest, Mme. Wines.

Pontallier, Louis. Wines.

Pontac, Vicomte de. Wines.

Teyssonneau, Mme Vve. Wines.

Jonet Du Chateau La Tour Blanche. Wines.

Collective Exhibit of the Medoc Wine Growing District Syndicate (Cru Classes)

De Rothschild, Barons Edmond, Edward and Robert—Pauillac-Gironde.

Societe Civile Du Domaine De Latour—Pauillac-Gironde. Wines.

Rigaud (Vve E.)—Margaux. Wines.

Pichon-Longueville, Baron de—Pauillac. Wines.

Muicy-Louys, C. A. de—St. Julien. Wines.

Societe Perdre—Cantenac. Wines.

Claverie, A.—St. Julien. Wines.

Pinoncelly—St. Laurent. Wines.

Fould, Achille—St. Julien. Wines.
 Dubos, B. & P.—Macau. Wines.
 Halphen, MM. les Heritiers de Mme—Pauillac. Wines.
 Duroy de Suduiraut—Pauillac. Wines.
 Vial, Felix de—Pauillac. Wines.
 Ferrand, Comte de—Pauillac. Wines.
 Societe Civile de Pedesclaux—Pauillac. Wines.

GROUP 129

WINES AND BRANDIES

Alibert, Marcel—St. Laurent. Wines and Brandies.
 Artraud, Freres J. B. & A. (Etablissements)—Marseille. Wines and Brandies.
 Barton & Guestier—Bordeaux. Wines and Brandies.
 Bertrand-Taquet, Alfred—Paris. Wines and Brandies.
 Brasseur & Cie—Paris. Wines and Brandies.
 Cottillon & Cie—Paris. Wines and Brandies.
 Gea, Emmanuel—St. Genis des Fontaines. Wines and Brandies.
 Guichard-Potherer & Sons—Chalon-sur-Saone. Wines and Brandies.
 Gouin, Augustin—Paris. Wines and Brandies.
 Gouin, Henri—Paris. Wines and Brandies.
 Grenier, Henri—Valence. Wines and Brandies.
 Meunier, Maurice—Paris. Wines and Brandies.
 Mommessin, J.—Macon. Wines and Brandies.
 Nignon, E.—Paris. Wines and Brandies.
 Porte y Cie, Albert—Paris. Wines and Brandies.
 Richard, Louis—Paris. Wines and Brandies.
 Rigaud, Mme Vve Ester—Margaux Medoc Gironde. Wines and Brandies.
 Schroder & Schyler & Cie—Bordeaux. Wines and Brandies.
 Thenard, Baron—Paris. Wines and Brandies.
 Soleres, B.—Paris. Wines and Brandies.
 Sarrazin—Dijon. Wines and Brandies.

GROUP 129

Collective Exhibit of the Gironde. French Wines

Bertrand-Taquet, Alfred—L'ecogan. Wines.
 Bourdeley, Robert—Sauviac, Gironde. Wines.
 Bourdeley, Maurice—Bazas. Wines.
 Bonnet Gauteyron. Wines.
 Combes de Cadillac, J. Vinsot. Wines.
 Courregelongue, Marcel—Bazas. Wines.
 Courregelongue, Mlle Angele—Cudos pres Bazas. Wines.
 Faure, Ed.—Gradignan. Wines.
 Marellahac, de Martgue J.—La Brede. Wines.
 Requette Buisson, Vicomte de—Chateau Fer-rand. Wines.
 Rousse, Hector—Paris. Wines.
 Rochette, Alexandre—Paris. Wines.
 Societe des Frigorifiques—Bordeaux. Wines.
 Salles, M.—Roailan. Wines.
 Treth, Albert—Paris. Wines.
 Turpi, Joseph and Louis—Mourillon-Toulon. Wines.

GROUP 129

WINES AND BRANDIES

Collective Exhibit of the Charentes Brandies
 Brugerolle, Leopold—Matha. Brandies.
 Carre-Bonvalet, Rene. Cognacs.
 Cusenier, E. Cognacs.
 Drujon, Auguste—Vazay pres Saintes. Brandies.
 Dupoy, A. & Co. Cognac.
 Favraud & Co., J.—Jarnac. Cognac.
 Fromy Rogee & Co.—Saint-Jean-d' Angely. Cognac.
 Maget, Albert. Wines.
 Pellisson, pere & Co. Cognac.
 Bouyer, Guillet & Co.—Saintes. Wines.
 Roy, Henri & Co. Cognac.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL

Bardinet (The Sons of P.)—Cauderan, Bordeaux. Rum Negrita.
 Bardin & Perard, Ancienne maison Duval—Paris. Brandy.
 Basilic-Liquor de la Distillerie de Lourdes. Liquors.
 Bourcier Sons—Paris. Aperitifs and Liquors.
 Brugerolle, Leopold—Matha. Liquors and Brandies.
 Bugeat, Leonce Sons—Saint Dizier. Liquors.
 Cassalis & Frats—Cette. Vermouths and Wines.
 Chastenot Brothers—Paris Bordeaux. Liquors.
 Chatel, Edmond & Co.—Paris. Rums.
 Clacquesin (Mme. Vve Paul)—Paris. Aperitif.
 Cointreau, Father & Sons—Angers. "Triple-sec. Cointreau."
 Cusenier, Societe anonyme de la Grande Distillerie—Paris. Liquors.
 Druet, Louis—Houilles. Aperitif brandy.
 Dubonnet, Societe Anonyme—Paris. Dubon-net Wine.
 Dubonnet, Edouard & de la Bussiere—Montreuil-sous-Bois. Quinquina.
 Euzet, Joseph—Cette. Muscat de Tunis. Quinquina aperient.
 Fremy Sons—Chalonnnes-sur-Loire. Liquors.
 Gardinier, Vve A.—Enghien. Liquors.
 Gros, Gustave—Troyes. Liquors.
 L. Guy, Grasset & Co.—Paris. Liquors.
 Hurard, Societe du Rhum—Paris. Rum.
 Julien, Victor—Lavaur. Liquors.
 Lambert, Ernest & Co. —Nenilly-sur-Seine. Rhums.
 Lillet Bors.—Podensac-Bordeaux. Quinquina.
 Marie Brizard & Roger—Bordeaux. Liquors.
 Marnier-Lapostolle, Societe des Produits—Paris. Liquors.
 Pages-Ribeyre, Victor Le Puy. Liquors.
 Picon & Co.—Marseille. Liquors.
 Richard Sons—Chambery. Vermouths.
 Ricques de Co.—Saint Ouen. Al-Menthe.

Saint Raphael, Societe—Paris. Saint Raphael Appetizer.

Secrestat, Senior—Bordeaux. Bitter, Toni Kola.

Soleres, B.—Paris. Rhum Osman, Wine.

Violet, Mm. Vve L.—Thuir. "Byrrh."

Collective Exhibit of Central Syndicate of Distillers of France and Colonies

Bardinet, The Sons of—Bordeaux. Liqueurs.

Bardin & Perard—Paris. Liqueurs.

Bertrand Taquet, Alfred—Paris. Liqueurs.

Bourcier Bros. & Co.—Paris. Liqueurs.

Brugerolle, L.—Matha. Cognac.

Brunon Chauvet, J. B.—St. Etienne. Liqueurs.

Burgeat, Leonce—Saint Dizier. Liqueurs.

Cazalis & Prats—Cette. Liqueurs.

Chastenet Bros.—Bordeaux. Liqueurs.

Chatel, Edmond & Co.—Paris. Liqueurs.

Clacquesin, Mme Vve Paul—Paris. Liqueurs.

Cointreau, Father & Sons—Angers. Liqueurs.

Cusenier, Societe Anonyme de la Grande Distillerie—Paris. Liqueurs.

Delpoint, Ernest—Brest. Liqueurs.

Dione, G.—Paris. Liqueurs.

Donizeau, Louis—Paris. Liqueurs.

Dorsemaine, E.—Montfort-l'Amaurey. Liqueurs.

Druet, Louis—Houilles. Liqueurs.

Dubonnet & Cie—Paris. Liqueurs.

Dubonnet, Edoard & Labussiere—Paris. Liqueurs.

Euzet, J.—Cette. Liqueurs.

Faucher, B.—Limoges. Liqueurs.

Fremy, Sons—Chalonnes-sur-Loire. Liqueurs.

Grizard, Hubert—Paris. Liqueurs.

Guy, Grasset & Cie—Paris. Liqueurs.

Hurard, Societe de Rhum—Paris. Rums.

Joanne, Edmond—Paris. Liqueurs.

Lagnier, Rene—Cannes. Liqueurs.

Lamert, Ernest & Cie—Neuilly-s-Seine. Liqueurs.

Lapouge, E. P. & Sons—Sarlat. Liqueurs.

Marie-Augustin—Avignon. Liqueurs.

Marie Brizard & Roger—Bordeaux. Liqueurs.

Marnier Lapostolle Societe des Produits—Paris. Liqueurs.

Morel Freres & Saulou—Charenton. Liqueurs.

Malosse, Louis—Nimes. Liqueurs.

Pages-Ribeyre, Victor—Le Puy. Liqueurs.

Perrein, Son—La Reole (Gironde). Liqueurs.

Picauron, R—Burie. Liqueurs.

Picon & Co.—Levallois Perret. Liqueurs.

Querhoent, Joseph de—Le Havre. Liqueurs.

Reguron, A. & Son—Brest. Liqueurs.

Richard, Ph. & Son—Chambery. Liqueurs.

Ricques, de & Cie—Saint-Onen. Liqueurs.

Saint-Raphael—Paris. Liqueurs.

Secrestat—Bordeaux. Liqueurs.

Soleres, B.—Paris. Liqueurs.

Taixador & Galte—Thuir. Liqueurs.

Violet, Vve L.—Thuir. Byrrh.

GROUP 131

FERMENTED BEVERAGES

Collective Exhibit of the Brewer Syndicate
Arlen, L.—Montbeliard. Beer.

Brasserie de la Cour Royale (Ancienne Maison Mirand Devos)—Versailles. Beer.

Brasserie de la Croix d'Arcueil—Arcueil. Beer.

Brasserie de l'Esperance—Ivry Port. Beer.

Brasserie & Malterie de Fort Carre—Saint Dizier. Beer.

Brasseriegavot Bros.—Orleans. Beer.

Brasserie Karcher & Co.—Paris. Beers.

Brasseries de la Mouze—Paris. Beers.

Brasserie de Sochaux—Sochaux. Beers.

Brasserie de Tantonville—Tantonville. Beers.

Dumesnil Bros.—Paris. Beers.

Grande Brasserie "La Nouvelle Gallia"—Paris. Beers.

Grandes Brasseries Reunies de Maxeville—Maxeville. Beers.

Gruber & Co.—Melun. Beers.

Grande Brasserie Alsacienne "Paillette"—Beers.

Societe Industrielle de Brasserie et Malterie—Issy-les-Moulineaux. Beer.

Schumann, A.—Gisors. Cider.

Collective Exhibit of Cider and Cider Brandy

Baivel, Charles—Brionne. Cider.

Chevallier, Auguste—Pont-d'Ouilly. Cider.

Collective Exhibit of Syndicate of Cider and

Cider Fruit

Aubry Beaudoin—Bonneval. Cider and Cider Fruit.

Bisson, A.—Mesnil-Mauger. Cider and Cider Fruit.

Bosiere, G.—Caen. Cider and Cider Fruit.

Bures & Lemonnier—Caen. Cider and Cider Fruit.

Cornic Bros.—Dinan. Cider and Cider Fruit.

Dumont, Pierre—Fervacques. Cider and Cider Fruit.

Delalande, Auguste—Mesnil-Mauger. Cider and Cider Fruit.

Guillouet, Albert & Sons—Caen. Cider and Cider Fruit.

Geslin, Manuel & Martin—Paris. Cider and Cider Fruit.

Lecomte, Henri—Caen. Cider and Cider Fruit.

Lefevre, H.—Caen. Cider and Cider Fruit.

Lemonnier, Emile—Beuzeville. Cider and Cider Fruit.

Suzanne, Emile—Caen. Cider and Cider Fruit.

GREAT BRITAIN

Location: 4th St., bet. Aves. A and B.

GROUP 123

EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOODS AND BEVERAGES

Baker & Son, Joseph, Willesden, Junction, London. Model of Automatic Bread Factory.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Gordons Dry Gin Co., Ltd., London. Gin, rum, bitters.
 Lipton, Thos. S., London. Tea, coffee, jelly tablets.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

Burke, Edw. & John, Ltd., New York. Aerated beverages.
 Cantrell & Cochrane, Belfast, Ireland. Aerated and Mineral Water, Ginger Ale, etc.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL

Burnett, Sir Robert & Co., New York. Gin.
 Dewar, John & Sons, Ltd., Perth, Scotland. Scotch whiskey.
 Gillon, John & Co., Leith, Scotland. Scotch whiskey.

GREECE

Location: Avenue D and Court Place

GROUP 122

ANIMAL FOOD PRODUCTS

Papathopoulos, P.—Athens. Cheese.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Colouvatou, C. J. & Jacoumi, D.—Itea. Canned Vegetables.

GROUP 120

WINES AND BRANDIES

Barbaressa Brothers, M.—Piraeus. Liquors.
 Metaxa, S. & E. & A.—Piraeus. Wines and Liquors.

GUATEMALA

Location: Guatemala Pavilion, near Inside Inn, back of Japanese Gardens

GROUP 117

TOBACCO

Leiva & Co., A.—Cigars.
 Taasperi, Fred.—Cigars.

GROUP 123

EQUIPMENT AND METHODS EMPLOYED IN THE PREPARATION OF FOODS AND BEVERAGES

Aguirre & Solis—Guatemala. Chocolate.

GROUP 124

FARINACEOUS PRODUCTS AND THEIR DERIVATIVES

Agricultural Department—Guatemala. Starch.
 Herrera & Co.—Pastores Dept. Sacatepeques. Flour.

Municipality of Quinche—Quinche. Bixa.

Calderon, M. E.—Totonicapan Dept. Totonicapan. Flour.

Municipality of Alzatate—Alzatate Dept. Jalapa. Cereals.

Municipality of Cunén—Cunén Dept. Quiché. Flour.

Municipality of San José—San José Chacaya Dept. Solalá. Flour.

Municipality of San Carlos—San Carlos Dept. Quezaltenango. Flour.

Sosa, Joaquín—Tecpan Dept. Chimaltenango. Flour.

Municipality of Totonicapán—Totonicapán. Flour.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Aguirre & Solis—Guatemala. Coffee.

Aparicio Hijas, de—San Francisco Dept. La Paz. Coffee.

Arelén, Bros.—La Reforma Dept. San Marcos. Coffee.

Arias, Alejo—San Felipe Dept. Retalhuleu. Coffee.

Batty, Fred—Antigua Dept. Sacatepequez. Coffee.

Bustamante, B.—Chiova Dept. Quezaltenango. Coffee.

Brif La Parra—Coffee.

Castillo, E. M.—Santo Domingo Dept. Suchitepequez. Coffee.

Castellanos, Vincente—Santa Lucía Dept. Escuintla. Coffee.

Calderon, E.—Santo Domingo Dept. Suchitepequez. Coffee.

Cabrera Bros.—Cuyatenango Dept. Retalhuleu. Coffee.

Chapeton, F.—Santo Domingo Dept. Suchitepequez. Coffee.

Chug, Enrique—Santo Domingo Dept. Suchitepequez. Coffee.

Central America Co.—Colomba Dept. Quezaltenango. Coffee.

Cobian, Rafael—Usulután Dept. Quiché. Coffee.

Crus Bros.—Santa Lucía Dept. Escuintla. Coffee.

Díaz, Ed.—San Lucas Dept. Solalá. Coffee.

Díaz, M.—San Antonio Dept. Suchitepequez. Coffee.

Díaz, R.—Samayac Dept. Suchitepequez. Coffee.

Dominguez, Adán—Santo Domingo Dept. Suchitepequez. Coffee.

Estrada Lopez, F. de—San Antonio Dept. Suchitepequez. Coffee.

Estrada Pardo, F.—San Martín Dept. Retalhuleu. Coffee.

Falla, Salvador—Duenas Dept. Sacatepequez. Coffee.

Femme, E., & Co.—San Francisco Dept. Suchitepequez. Coffee.

Flores, Alberto—Colomba Dept. Quezaltenango. Coffee.

Ganband, E.—Panajabal Dept. Panajabal. Coffee.

Gonzalez, J. M.—San Felipe Dept. Retalhuleu. Coffee.

- Grimaldi, Juana**—Colomba Dept. Quezaltenango. Coffee.
Gross, Francisco—Xalhuitz Dept. Quezaltenango. Coffee.
Herman, E.—Colombo Dept. Quezaltenango. Coffee.
Hernandez, J.—San Francisco Dept. Suchitepequez. Coffee.
Herrera & Co.—Siquinala Dept. Escuintla. Coffee.
Jerez de Leon, F.—Santa Romelia Dept. Quezaltenango. Coffee.
Laines, A.—Santo Domingo Dept. Suchitepequez. Coffee.
Lascount, R.—Tucura Dept. Alta Verapaz. Coffee.
Lavanigno, J. M.—Pochuta Dept. Chimaltenango. Coffee.
Leon, Antonio de—Colomba Dept. Quezaltenango. Coffee.
Leon, L. C. v de—San Antonio Dept. Suchitepequez.
Leon, F. L. de—San Marcos. Coffee.
Leon, Arc v de—San Antonio Dept. Suchitepequez. Coffee.
Leon, Delfine M. de—San Antonio Dept. Suchitepequez. Coffee.
Leon Rejel, L. de—Samayac Dept. Suchitepequez. Coffee.
Liuse, V. de—Escuintla. Coffee.
Manzan Sisters—Colomba Dept. Suchitepequez. Coffee.
Manten, Fred—Yepacapa Dept. Chimaltenango. Coffee.
Mathes, F.—Coban Dept. Alta Verapaz. Coffee.
Mayer, Hac—Colomba Dept. Quezaltenango. Coffee.
Mejicanos, J. G. V. de—Amatitlan. Coffee.
Mendez, N.—Pochuta Dept. Chimaltenango. Coffee.
Miron & Co., C.—Pochuta Dept. Chimaltenango. Coffee.
Morales de Leon, H.—San Antonio Dept. Suchitepequez. Coffee.
Montes, J. C. de—Colombo Dept. Quezaltenango. Coffee.
Molina, E. Hijos—Colomba Dept. Quezaltenango. Coffee.
Molina, J. Z.—Pochuta Dept. Chimaltenango. Coffee.
Monzan, J. M.—Colomba Dept. Quezaltenango. Coffee.
Municipality of Santa Cruz—Santa Cruz Dept. Alta Verapaz. Coffee.
Ortega, J. M. J.—San Pablo Dept. San Marcos. Coffee.
Pais, L.—Santa Lucia Dept. Escuintla. Coffee.
Pasadas, J. Senon—Samayac Dept. Suchitepequez.
Parras, J. M.—Yepacapa Dept. Chimaltenango. Coffee.
Plantations Company—Samayac Dept. Suchitepequez. Coffee.
Pelaez, Rosa de—Colomba Dept. Quezaltenango. Coffee.
Quevedo, J.—Escuintla, Escuintla. Coffee.
Quiroz, J. M.—Guatemala, Guatemala. Coffee.
Ramirez, H.—Samayac Dept. Suchitepequez. Coffee.
Rejel, O. de—Santo Domingo Dept. Suchitepequez. Coffee.
Reyna, Rosalia—San Diego Dept. San Rosa. Coffee.
Reyna, E. M.—Coffee.
Ros Bros.—Pueblo Nuevo Dept. Santa Rosa. Coffee.
Robles, Francisco—Coloma Dept. Quezaltenango. Coffee.
Rodriguez, R.—Yepacapa, Chimaltenango. Coffee.
Rodriguez, Gmo.—Escuintla Dept. Escuintla. Coffee.
Sandoval, M. J.—San Francisco Dept. Suchitepequez. Coffee.
Saravia, Ignacio G.—Pochuta Dept. Chimaltenango. Coffee.
Santa Cruz, Vicenta—Tamahu Dept. Alta Verapaz. Coffee.
Sapper, R.—Carcha Dept. Alta Verapaz. Coffee.
Sarti, Luis—Cuyatenango Dept. Suchitepequez. Coffee.
Saravia, A. G.—Pochuta Dept. Chimaltenango. Coffee.
Saenz, Sacarias D.—Colomba Dept. Quezaltenango. Coffee.
Schlusback Danch & Co.—Colomba Dept. Quezaltenango. Coffee.
Shane, B.—Samayac Dept. Suchitepequez. Coffee.
Silver, Juan—San Felipe Dept. Retalhuleu. Coffee.
Sorte, Jose L.—San Martin Dept. Retalhuleu. Coffee.
Toledo, F.—San Diego Dept. San Marcos. Coffee.
Valle, B. del—Cunen Dept. Quiché. Coffee.
Zamora, G.—Amatitlan Dept. Amatitlan. Coffee.
Zelaya, Jose E.—Coffee.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

Rudike, Teodoro—Guatemala. Soda water.

GROUP 132

INEDIBLE AGRICULTURAL PRODUCTS

Anchin, Angel—San Andres Dept. Suchitepequez. Cotton.

Municipality of Alzatate—Alzatate Dept. Suchitepequez. Cotton.

Municipality of Dolores—Dolores Dept. Suchitepequez. Cotton.

Municipality of Guanagazapa—Guanagazapa Dept. Escuintla. Cotton.

Municipality of La Gomera—La Gomera Dept. Escuintla. Cotton.

Municipality of Samayac—Samayac Dept. Suchitepequez. Cotton.

Municipality of San Andres—San Andres Dept. Suchitepequez. Cotton.

Municipality of San Antonio—San Antonio Dept. Suchitepequez. Cotton.

GROUP 133

Municipality of Abasco—Abasco Dept. Escuintla. Fibre.

Municipality of Amatitlan—Amatitlan. Fibre.
Municipality of Antigua—Antigua Dept. Sacatepequez. Fibre.
Municipality of Agua Caliente—Agua Caliente Dept. Sacatepequez. Fibre.
Municipality of Comitancillo—Comitancillo Dept. San Marcos. Fibre.
Municipality of Chamelco—Chamelco Dept. Alta Verapaz. Fibre.
Municipality of Chachacun—Chachacun Dept. Peten. Fibre.
Municipality of Chisec—Chisec Alta Verapaz. Fibre.
Municipality of Chinaltenango—Chinaltenango. Fibre.
Municipality of Cahabon—Cahabon Dept. Alta Verapaz. Wax.
Municipality of Ciudad Vieja—Ciudad Vieja Dept. Sacatepequez. Fibre.
Municipality of Dolores—Dolores Dept. Peten. Fibre.
Municipality of El Chal—El Chal Dept. Baja Verapaz. Wax.
Municipality of Escuintla—Escuintla. Fibre.
Municipality of Guatemala—Guatemala. Fibre.
Municipality of Jacotenango—Jacotenango Dept. Sacatepequez. Fibre.
Municipality of Jutiapa—Jutiapa. Wax.
Municipality of Lanquin—Lanquin Dept. Alta Verapaz. Fibre.
Municipality of La Gomera—La Gomera Dept. Escuintla. Fibre.
Municipality of La Democracia—La Democracia Dept. Escuintla. Fibre.
Municipality of Musunga—Musunga Dept. Escuintla. Fibre.
Municipality of Magdalena—Magdalena Dept. Escuintla. Fibre.
Municipality of Monjas—Monjas Dept. Jalapa. Wax.
Moreira, R. L.—Salama Dept. Baja Verapaz. Wax.
Nanne, Jorge—La Gomera Dept. Escuintla. Fibre.
Municipality of Pastores—Pastores Dept. Sacatepequez. Fibre.
Municipality of Pasacap—Pasacap Dept. Toncapan. Wax.
Reynoso, N.—San Sebastian Dept. Retalhuleu. Fibre.
Municipality of San Benito—San Benito Dept. Peten. Fibre.
Municipality of San Juan Obispo—San Juan Obispo Dept. Escuintla. Fibre.
Municipality of San Juan de Dios—San Juan de Dios Dept. Escuintla. Fibre.
Municipality of San Jose—San Jose Dept. Peten. Fibre.
Municipality of San Lorenzo—San Lorenzo Dept. San Marcos. Fibre.
Municipality of Sanibal—Sanibal Dept. San Marcos. Fibre.
Municipality of Siquinala—Siquinala Dept. Escuintla. Fibre.
Sinsing, Antonio—Palmer Dept. Quezaltenango. Fibre.
Sinsing, Antonio—Palmer Dept. Quezaltenango. Fibre.
Municipality of Tucuro—Tucuro Dept. Alta Verapaz.

GROUP 135

FOREST PRODUCTS

Department of Agriculture—Guatemala. Lumber.
Municipality of Brito—Brito Dept. Escuintla. Lumber.
Municipality of Coban—Coban Dept. Escuintla. Lumber.
Municipality of Democracia—Democracia Dept. Escuintla. Lumber.
Helmsich, Gustavo—Brito Dept. Escuintla. Lumber.
Municipality of La Ganera—La Ganera Dept. Escuintla. Lumber.
Municipality of Mazagua—Mazagua Dept. Escuintla. Lumber.
Pullin, C. A.—Santa Lucia Dept. Escuintla. Lumber.
Municipality of Santa Lucia—Santa Lucia Dept. Escuintla. Lumber.

HONDURAS

Location: Honduras Building, near Inside Inn, back of Japanese Gardens

GROUP 124

FARINACEOUS PRODUCTS AND THEIR DERIVATIVES

Lamarque, Antonio & Co.—Sinuapa. Flour, Italian Paste, etc.
Laitano, Francisco—Tegucigalpa. Flour, Italian Paste, etc.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Municipalidad Catcamas. Spices.
Municipalidad Gracias. Spices.
Municipalidad San Jose. Spices.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

La Favorita—Tegucigalpa. Artificially Aerated Waters.

GROUP 129

WINES AND BRANDIES

Alcantara, Angel R.—Danli. Brandies.
Cardona, Rafael—Florida. Brandies.
Cuevas, Juan R.—Copan. Brandies.
Lopez, Daniel—Las Flores. Brandies.
Nazar, Moises—Marcala. Wines.
Nuñez, Jesús—Copan. Brandies.
Villardebó, Pedro—Juticalpa. Brandies.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL

Cardona, Rafael—Florida. Alcohol.

ITALY

Location: Av. A, bet. 1st & 2nd Sts.

GROUP 117

TOBACCO

Ministry of Finance—Rome. Tobacco.

GROUP 122

ANIMAL FOOD PRODUCTS

Gianelli Magno & C.—Mortara. Condensed Milk.
Latteria Di Locate Triulzi—Triulzi. Condensed Milk.
Latteria Locate Triulzi—Locate. Sterilized milk.
Paganini & Villani—Milano. Condensed Milk.
So. Roman Formaggio Pecorino—Roma. Cheese.

GROUP 124

FARINACEOUS PRODUCTS AND THEIR DERIVATIVES

Baroni, L. & Co.—Milano. Paste.
Baroni & C., L.—Milano. Italian Paste.
Cassanello, P. F. & Co.—Geneva. Paste.
Cirillo Di Francesco, Angelo—Torre del Greco. Italian Paste.
Paganini & Villani—Milano. Milk flour.
Fratelli Cassanello, P. & T.—Genova. Italian Paste.
Fratelli Scaffa & C.—Torre del Greco. Italian Paste.
Fratelli Buocco Fu G.—Gragnano. Italian Paste.
Formisano, Domenico—Torre Annunziata. Italian Paste.
Fabbrocino, G.—Torre Annunziata. Italian Paste.
Izzo e Figlio, Francesco—Torre del Greco. Italian Paste.
V. Laurotano & P. & G. Dinola—Gragnano. Italian Paste.
Nasto, Giuseppe—Castellamare. Italian Paste.
V. F. Paolo Dinola—Gragnano. Italian Paste.
Pastificio "Igea"—Torre Annunziata. Italian Paste.
Nucci Fu Marcello, Francesco—Pescia. Italian Paste.
Rossi, Rinaldo—Milano. Antidiabetic Paste.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Antonio Cotta Ramusino—Milano. Cheese and Sausage.
Associa. Parmense Conserve Alimentari—Parma. Canned Foods.
Castello Amato Fu Alfonso—S. Giovanni Teduccio. Cheese and Sausage.
Del Gaizo, V.—S. Giovanni Teduccio. Canned Foods.
Devoto e C., A.—S. Pier d'Arena. Canned Foods.
Cotta Ramusino, Antonio—Corsico. Sausage.
Pretto & Co.—Genova. Canned meat, vegetables, etc.

Gouvea, A. S.—New York. Sardines in oil.
S. Romano Formaggio Pecorino—Roma. Cheese and Sausage.

Salvatore Cannavale e Figlio—Castel. Stabia. Cheese and Sausage.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Cremona, Francesco—Canelli. Confectionery.
Cremona, Francesca—Canelli. Nougat.
Fratelli Sperlari—Cremona. Nougat.
Gagliardi, Giacomo—Cremona. Confectionery.
Lombardi & Macchi—Milano. Confectionery.
S. A. Lombardi & Macchi—Milano. Confectionery Chocolate.
Soc. An. Acqua Minerale—Sangemini. Mineral Confectionery Chocolate.
Talmone, Michele—Torino. Chocolate.
Talmone, Michele—Torino. Confectionery Chocolate.
Venchi & C., S. A. S.—Torino. Confectionery Chocolate.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

Acqua Minerale Ferrarelle—Roma. Mineral Water.
Acqua Minerale Sangemini, S. A.—Roma. Mineral Water.
Bertocchini & C., F.—Livorno. Mineral Water.
Ferrarelle, Società—Roma. Mineral water.
Impresa Acqua Corallo—Livorno. Mineral water.
Impresa Acqua Vorallo—Livorno. Mineral Water.
Municipio Di Cas Tellamare—Castel. Stabia. Mineral Water.
Soc An. Acqua Minerali—Sangemini. Mineral water.

GROUP 129

WINES AND BRANDIES

Andrioli, Giuseppe—Verona. Wine.
Angelo Fu C. Davini—Lucca. Chiant Wine.
Antinori, Ditta—Firenze. Wine.
Beccaro Bros.—Acqui. Wine.
Bertolli, Francesca—Lucca. Chiant Wine.
Bosca, Luigi & Co.—Canelli. Wine.
Bosca & C., Luiga—Canelli. Wines.
Contratto, Giuseppe—Canelli. Wines.
Cantina Sociale Marsalese—Marsala. Wines Marsals.
Cantine Sociali Marsalesi—Marsala. Wine.
Figli Gaetano Giuriani & Mieri—Lucca. Chiant Wine.
Florio & Co.—Milano. Wine.
Garbini & Figli—Lucca. Chiant Wine.
Lattarengi Marchese della Stufa—Firenze. Wine.
Lodovico e Pietro Antinori—Firenze. Wines.
March. Lottarengi Della Stufa—Firenze. Chiant Wine.
Marchini, Guglielmina—Varallo Sesia. Wine.
Merlino & Beccaria—Nizza Monferrato. Wines and Liquors.

Pestellini, Ippolito—Firenze. Wines.
Marchini, Guglielmina—Varallo Sesia. Wines.
S. A. Cantine Marchese Fassati—Milano. Chianti Wine.
Senatore G. Tasca Lanza—Palermo. Wines.
Soc. An. Cantine March. Fassati—Milano. Wine.
Taddeucci, Rinaldo—Livorno. Chianti Wine.
Vincenzo Cascio—Palermo. Wines.
Vito Curatolo Arini—Marsala. Wines. Marsals.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL

Alberti, Giuseppe—Benevento. Liquor.
Chaselettes, Clemente & Co.—Torino. Liquor.
Caretti Bros.—Roma. Liquor.
Contratto, Giuseppe—Verona. Liquor.
Distillerie Pedroni—Milano. Liquor.
Daide Campari & Co.—Milano. Liquor.
Isolabella, E., & Figlio—Milano. Liquor.
Malussano & Co.—Torino. Liquor.
Martini & Rossi—Torino. Liquor.
Martinazzi, E. C., & Co.—Torino. Liquor.

JAPAN

Location: Aves. A & B, bet. 2nd & 3rd Sts.

GROUP 120

VEGETABLE FOOD PRODUCTS AND AGRICULTURAL SEEDS

San Chu Shoten—Kanagawa. Beans.
Kanagawaken Nogai—Kanagawa. Peanuts.
Nozawa-Gumi—Kanagawa. Beans.
Chibaken Rakkasai Dogyo Kumiai—Chiba. Peanuts.
Hokkaido Nokai—Hokkaido. Beans.
Taihokucho Nokai—Taihoku. Peanuts.
Kagicho Nokai—Kagi. Peanuts.
Shizuokakon Shoga, Hechima, Kosho Rakkasai Dogyo Kumiai—Shizuoka. Peanuts.

GROUP 121

APPLIANCES FOR GATHERING WILD CROPS AND PRODUCTS OBTAINED

Hideo Ishiwata—Shizuoka. Cortinellus Shiitake.
Totaro Uchida—Oita. Cortinellus Shiitake.
Kynsuke Yamatsumi—Miyazaki. Cortinellus Shiitake.

GROUP 124

FABINACEOUS PRODUCTS AND THEIR DERIVATIVES

Kumamoto Menrai Dogyo Kumiai—Kumamoto. Vermicelli.
Kihei Nihonki—Kumamoto. Vermicelli.
Tooru Tsuru—Kumamoto. Vermicelli.
Gajiro Akita—Tokushima. Vermicelli.
Eiijiro Takata—Tokushima. Vermicelli.
Jusaburo Yamamoto—Tokushima. Vermicelli.
Banshu Iho Gun Somen Dogyo Kumiai—Hyogo. Vermicelli.

Kansakigun Somen Dogyo Kumiai—Hyogo. Vermicelli.

Sesshu Nada Somen Seiso Dogyo Kumiai—Hyogo. Vermicelli.

Awajinokuni Miharagun Somen Dogyo Kumiai—Hyogo. Vermicelli.

Sakuchi Yamakawa—Saga. Vermicelli.

Heikichi Ichibakese—Saga. Vermicelli.

Haruichiro Hideshima—Saga. Vermicelli.

Sancho Shokai—Kanagawa. Buckwheat Noodle.

Nippon Seimai Seifun Kabushiki Kaisha—Hyogo. Rice.

Nippon Beikoku Kabushiki Kaisha—Hyogo. Rice.

Hyogoken Nokai—Hyogo. Rice.

Niigataken Nokai—Niigata. Rice.

Ibaragiken Nokai—Ebaragi. Rice.

Tochigiken Nokai—Tochigi. Rice.

Miyeken Nokai—Miyagi. Rice.

Oomimai Dogyo Kumiai—Oomi. Rice.

Yamagataken Nokai—Yamagata. Rice.

Ishikawaken Nokai—Ishikawa. Rice.

Toyamaken Nokai—Toyama. Rice.

Okayamaken Nokai—Okayama. Rice.

Bocho Kome Dogyo Kumiai—Yamaguchi. Rice.

Kagawaken Nokai—Kagawa. Rice.

Fukuokaken Nokai—Fukuoka. Rice.

Higo Beiken Soko Kumiai—Kumamoto. Rice.

Miyazakiken Nokai—Miyazaki. Rice.

Kagoshimaken Nokai—Kagoshima. Rice.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Murata Co.—San Francisco. Gold Fish and Tortoise. Pal. Hort., Av. M.

Nippon Gyogyo Kabushiki Kaisha—Tokyo. Codfish.

Kumajiro Wakana—Tokyo. Canned Sardines.

Sukenori Hoshino—Tokyo. Canned Crabs.

Yushutsu Shokuhin Kabushiki Kaisha—Tokyo. Canned Salmon.

Shukichi Fujitara—Tokyo. Taro.

Tomisaburo Hamaguchi—Kyoto. Canned Goods.

Takasu Kansume Goshikaisha—Hiroshima. Canned Lobster.

Hiroshima Chikusan Kabushiki Kaisha—Hiroshima. Canned Meats, etc.

Mantaro Asaya—Yehime. Kamaboko.

Kosan Kabushiki Kaisha—Fukuoka. Cooked Crab.

Yetsujiro Teramoto—Kumamoto. Canned Lobster.

Usui Gomeikaisha—Hokkaido. Beans.

Shozo Izumi—Hokkaido. Canned Crab & Lobster.

Tsutsumi Shokai—Hokkaido. Canned Crab & Lobster.

Fujino Kansumesho—Hokkaido. Canned Crab & Lobster.

Hokubei Boyeki Kabushiki Kaisha—San Francisco. Canned Crab.

Kichigoro Akiyama—Tokyo. Gold Fishes. Pal. Hort., Av. M.

Yukichi Onuma—Yeharaki. Gold Fishes. Pal. Hort., Av. M.

Yamanashi Kajitsu Bussan Dogyo Kumiai—
Yamanashi. Dried Persimmon.
Tomoyasu Hirano—Tokyo. Agr. Pal. Fish
Oil.
Chitaro Ito—Osaka. Agr. Pal. Cod Liver
Oil.
Kogyo Goshikaisha—Osaka. Agr. Pal. Cod
Liver Oil.
Kyoto, Osaka, Hyogo, Kanton Suisan Kumiai
—Osaka. Agr. Pal. Isinglass.
Nozawa Gumi—Kanagawa. Agr. Pal. Fish
Oil.
Shinno Kanton Suwa Suisan Kumiai—Nagano.
Agr. Pal. Isinglass.

GROUP 127.

SUGAR AND CONFECTIONERY, CONDI-
MENTS AND RELISHES; NUTS
AND FRUIT FOODS

Goshikaisha Suzuki Shoten—Kanagawa. Ajin-
omoto.
Keiji Hamaguchi—Chiba. Shoyu.
Juihiro Iwasaki—Chiba. Shoyu.
Hichizaemon Mogi—Chiba. Shoyu.
Fusagoro Mogi—Chiba. Shoyu.
Sahetji Mogi—Chiba. Shoyu.
Hyozemon Takanashi—Chiba. Shoyu.
Hichiroemon Mogi—Chiba. Shoyu.
Choshi Shoyu Goshikaisha—Chiba. Shoyu.
Sanaokichi Aya—Kagawa. Shoyu.
Marukin Shoyu Kabushiki Kaisha—Kagawa.
Shoyu.
Sojuro Yagi—Kagawa. Shoyu.
Yasuda Shoyu Kabushiki Kaisha—Kagawa.
Shoyu.
Shimizu Shoyu Kabushiki Kaisha—Kagawa.
Shoyu.
Fudeshiro Takahashi—Kagawa. Shoyu.
Shima Shoyu Seizo Kabushiki Kaisha—Kag-
awa. Shoyu.
Chujiro Kinoshita—Kagawa. Shoyu.
Akishiro Miyamoto—Kagawa. Shoyu.
Shinpei Sano—Kagawa. Shoyu.
Mojuro Otsuka—Hyogo. Shoyu.
Taminosuke Uyeda—Hyogo. Shoyu.
Shokichi Nishio—Hyogo. Shoyu.
Kyutaro Tsubota—Hyogo. Shoyu.
Mikigmei Kaisha—Hyogo. Shoyu.
Nippon Maru Ton Shoyu Kabushiki Kaisha—
Hyogo. Shoyu.
Tsubota Shoyu Gomeikaisha—Hyogo. Shoyu.
Maruo Shoyu Gomeikaisha—Hyogo. Shoyu.
Asai Shoyu Gomeikaisha—Hyogo. Shoyu.
Marunishi Shoyu Gomeikaisha—Hyogo. Shoyu.
Yakugoro Okabe—Osaka. Shoyu.
Yahetji Matsuya—Osaka. Shoyu.
Shinzaburo Masuda—Osaka. Shoyu.
Izumi Shoyu Kabushiki Kaisha—Osaka.
Shoyu.
Matasaburo Kawamori—Osaka. Shoyu.
Gomeikaisha Amekaze Shoten—Osaka. Shoyu.
Connosuke Togawa—Osaka. Shoyu.
Nobuo Shitabani—Osaka. Shoyu.
Kakujiro Ikushima—Osaka. Shoyu.
Jihei Kida—Osaka. Shoyu.
Yokkaichi-Shoyu Juno Goshikaisha—Miye.
Shoyu.

Rihai Shimotsu—Miye. Shoyu.
Matayemon Isaka—Miye. Shoyu.
Sakuyemon Takai—Miye. Shoyu.
Senyemon Morimoto—Miye. Shoyu.
Yamahachi Gomeikaisha—Miye. Shoyu.
Seisuke Hashimoto—Miye. Shoyu.
Yamanaka-Shoyu Goshikaisha—Miye. Shoyu.
Shinji Kitamura—Miye. Shoyu.
Byokichi Ito—Miye. Shoyu.
Shoyemon Hattori—Miye. Shoyu.
Tsunejiro Ito—Miye. Shoyu.
Yasaburo Hamanaka—Miye. Shoyu.
Suyejiro Kadowaki—Miye. Shoyu.
Shinsuke Yoshizawa—Miye. Shoyu.
Seibei Kawamura—Miye. Shoyu.
Keiji Kondo—Okayama. Shoyu.
Jotaro Takimoto—Okayama. Shoyu.
Ihachiro Kuyama—Okayama. Shoyu.
Tomomatsu Ono—Okayama. Shoyu.
Kurajiro Kuyama—Okayama. Shoyu.
Yontaro Oka—Okayama. Shoyu.
Kaneichi—Shoyu Gomeikaisha—Okayama.
Shoyu.
Yaroku Aoki—Aichi. Shoyu.
Marutoyo Goshikaisha—Aichi. Shoyu.
Saburo Ogi—Aichi. Shoyu.
Morita Goshikaisha—Aichi. Shoyu.
Kikkotomi-Shoyu Kabishiki Kaisha—Aich
Shoyu.
Ito Goshikaisha—Aichi. Shoyu.
Shizuoka Shoyu Dogyo Kumiai—Shizuoka.
Shoyu.
Mito-Shoyu Jozo-Kumiai—Ebaragi. Shoyu.
Soyemon Murata—Ebaragi. Shoyu.
Ninbei Nishio—Ebaragi. Shoyu.
Soyemon Murata—Ebaragi. Shoyu.
Hikobei Yamanaka—Ebaragi. Shoyu.
Takichi Sugaya—Ebaragi. Shoyu.
Yabei Mural—Ebaragi. Shoyu.
Teikichi Tateno—Ebaragi. Shoyu.
Hichizayemon Yoshida—Ebaragi. Shoyu.
Masanosuke Sugisawa—Ebaragi. Shoyu.
Teijiro Ohashi—Ebaragi. Shoyu.
Gomeikaisha Shibamura Shoten—Ebaragi.
Shoyu.
Nagai Shoyu Gomeikaisha—Ebaragi. Shoyu.
Uhei Hanari—Ebaragi. Shoyu.
Tabei Iyeda—Ebaragi. Shoyu.
Jobishi Gomeikaisha—Ebaragi. Shoyu.
Chagyo Kumiai Chuo Kaigisho—Tokyo. Te
Taihoku Chasho Koaki—Taihoku. Tea.
Chin Cho Shun—Taihoku. Tea.
Kaku Kan Sen—Taihoku. Tea.
Chin Cho Byo—Taihoku. Tea.
Ko Sei Hyo—Taihoku. Tea.
Chin Zui Ho—Taihoku. Tea.
Ri Man Kyo—Taihoku. Tea.
Ko Sei Chin—Taihoku. Tea.
Ko Ho Shin—Taihoku. Tea.
Chin Zui Sei—Taihoku. Tea.
Chin Zui Rei—Taihoku. Tea.
So Eyo To—Taihoku. Tea.
Kaku Ho Gen—Taihoku. Tea.
Oa—Taihoku. Tea.

Cho Gyoku Bin—Taihoku. Tea.
 Ryu Hin Shin—Taihoku. Tea.
 Rin Gyoku Sen—Taihoku. Tea.
 Bai Yei Zai—Taihoku. Tea.
 Sho Sei Yen—Taihoku. Tea.
 Nippon Taiwan-Cha Kabushiki Kaisha—
 Toyen. Tea.
 Nozawa-Gumi—Kanagawa. Pepper, Dried Gin-
 ger.
 Taohoki Seito Kabushiki Kaisha—Taihoku.
 Sugar.
 Rin Hon Gen Setto Kabushiki Kaisha—Tai-
 chu. Sugar.
 Yensuiwan Setto Takushoki Kabushiki Kaisha
 —Kagi. Sugar.
 Dainippon Setto Kabushiki Kaisha—Kagi.
 Sugar.
 Taiwan Setto Kabushiki Kaisha—Tainan.
 Sugar and Alcohol.
 Taiwan Setto Bengo Kai—Tokyo. Crude
 Sugar.
 Shisunokaken Shogu Hochima, Koaho Rakkasei
 Dogyo Kumelai—Shuzuoka. Pepper, Ginger.
 Zensuke Yagi—Chiba. Mirin.
 Zenbei Baba—Chiba. Mirin.
 Kohel Okada—Chiba. Mirin.
 Sanzayemon Akimoto—Chiba. Mirin.
 Monjiro Horikiri—Chiba. Mirin.
 Hachijoji Ishikawa—Aichi. Mirin.
 Tatsuji Iwatsuki—Aichi. Mirin.
 Kangoro Suzuki—Aichi. Mirin.
 Momotaro Oiwa—Aichi. Mirin.
 Senju Nagai—Aichi. Mirin.
 Kohichi Kaseoka—Aichi. Mirin.
 Heizayemon Yamada—Aichi. Mirin.
 Yomo Gomeikaisha—Kyoto. Mirin.
 Sutejiro Kimura—Kyoto. Mirin.

GROUP 128

WATERS AND UNFERMENTED FRUIT
JUICES

Kabushikikaisha Nunobiki Kosen Sho—Hyogo.
 Mineral Water.
 The Clifford Wilkinson Tansan Mineral Water
 Co., Ltd.—Hyogo. Mineral Water.
 Takarasuka Kosen Goshikaisha—Hyogo, Min-
 eral Water.
 Isaburo Nakamura—Hyogo. Mineral Water.
 The Hirano Mineral Water Co.—Hyogo. Min-
 eral Water.
 Kojiro Uyeno—Hyogo. Mineral Water.
 Kokoku Kosen Kabushiki Kaisha—Osaka.
 Mineral Water.
 Misumi Kosen Shokai—Kumamoto. Mineral
 Water.
 Kinbei Ehara—Osaka. Shoyu.
 Hikishiro Okubo—Kumamoto. Shoyu.
 Glichi Kato—Kumamoto. Shoyu.
 Itaro Katayama—Kumamoto. Shoyu.
 Ichibei Noda—Kumamoto. Shoyu.
 Tokichi Yoshimura—Kumamoto. Shoyu.
 Hidetaro Ichihara—Kumamoto. Shoyu.
 Jubel Watanabe—Kumamoto. Shoyu.
 Kenda So—Kumamoto. Shoyu.
 Sanzo Takagi—Kumamoto. Shoyu.
 Masakichi Fumasho—Kumamoto. Shoyu.
 Masakichi Akaboshi—Kumamoto. Shoyu.

Seitaro Nishio—Kumamoto. Shoyu.
 Taro Takata—Kumamoto. Shoyu.
 Hikojiro Uyeda—Kumamoto. Shoyu.
 Tsunehashi Tamashiro—Kumamoto. Shoyu.
 Shinnosuke Sato—Miye. Shoyu.
 Seitaro Kadowaki—Miye. Shoyu.
 Seisaku Uchida—Miye. Shoyu.
 Kozayemon Ito—Miye. Shoyu.
 Bunsuke Kuki—Miye. Shoyu.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED
SPIRITS AND COMMERCIAL
ALCOHOL

Zensuke Yagi—Chiba. Mirin.
 Zenbei Baba—Chiba. Mirin.
 Kohel Okada—Chiba. Mirin.
 Sanzayemon Akimoto—Chiba. Mirin.
 Monjiro Horikiri—Chiba. Mirin.
 Hachijoji Ishikawa—Aichi. Mirin.
 Tatsuji Iwatsuki—Aichi. Mirin.
 Kangoro Suzuki—Aichi. Mirin.
 Momotaro Oiwa—Aichi. Mirin.
 Senju Nagai—Aichi. Mirin.
 Kokichi Kaseoka—Aichi. Mirin.
 Heizayemon Yamada—Aichi. Mirin.
 Yomo Gomeikaisha—Kyoto. Mirin.
 Sutejiro Kimura—Kyoto. Mirin.
 Yeigashima Shuso Kabushiki Kaisha—Hyogo.
 Sake.
 Kyutaro Washio—Hyogo. Sake.
 Bunjiro Osabe—Hyogo. Sake.
 Yetsuzo Tatsuma—Hyogo. Sake.
 Tazayemon Yamamura—Hyogo. Sake.
 Ishisaki Goshi Kaisha—Hyogo. Sake.
 Sensuke Isumi—Hyogo. Sake.
 Kano Gomeikaisha—Hyogo. Sake.
 Gomeikaisha Honkano Shoten—Hyogo. Sake.
 Saburobei Otsuka—Osaka. Sake.
 Shibatan Gomeikaisha—Osaka. Sake.
 Sanji Torii—Osaka. Sake.
 Genjiro Kaizu—Osaka. Sake.
 Taku Gomeikaisha—Osaka. Sake.
 Wasaburo Otsuka—Osaka. Sake.
 Marunishi Goshikaisha—Aichi. Sake.
 Magokichi Sato—Aichi. Sake.
 Hirose Gomeikaisha—Aichi. Sake.
 Shohel Sugimoto—Aichi. Sake.
 Yakichi Inaba—Aichi. Sake.
 Hichirobei Uchida—Aichi. Sake.
 Ota Goshikaisha—Aichi. Sake.
 Ita Goshikaisha—Aichi. Sake.
 Shotaro Mase—Aichi. Sake.
 Tanaka Shuso Goshikaisha—Aichi. Sake.
 Morita Goshikaisha—Aichi. Sake.
 Tsunekichi Okura—Kyoto. Sake.
 Kyutaro Horino—Kyoto. Sake.
 Sakugoro Kobayashi—Fukuoka. Sake.
 Isaburo Tomiyasu—Fukuoka. Sake.
 Gomeikaisha Seiriki Shoten—Fukuoka. Sake.
 Sudo Gomeikaisha—Fukuoka. Sake.
 Gomeikaisha Seiriki Shoten—Fukuoka. Sake.
 Goshikaisha Ninomiya Meishuozoten—Fuku-
 oka. Sake.

Shigeyuki Tomiyasu—Fukuoka. Sake.
 Goshikaisha Kamachi-Meishu Jozo Sho—
 Fukuoka. Sake.
 Ryuhei Takeda—Fukuoka. Sake.
 Taiwan Seito Kabushiki Kaisha—Tianan.
 Sugar and Alcohol.

GROUP 131

FERMENTED BEVERAGES

Dai Nippon Beer Kabushikikaisha—Tokyo.
 Beer, Citron.
 Teikoku Beer Kabushiki Kaisha—Fukuoka.
 Beer.
 Jozo Shikenjo—Photographs and samples of
 brewed drinks.

NETHERLANDS

Location: Palace of Agriculture, Aves. C & D,
 bet. 6th & 8th Sts.

GROUP 117

TOBACCO

De Nederlandsche Sigarenfabriek "de Hui-
 kar," Fa Hamers & Co., Oisterwyk. Cigars.

GROUP 123

EQUIPMENT AND METHODS EMPLOYED
IN THE PREPARATION OF FOODS
AND BEVERAGES

Deventer Capsulefabriek -Deventer. Metal
 Caps. Lib. Arts Pal.

GROUP 125

BREAD AND PASTRY

de Biscuitfabriek "de Zwaluw" firma W. O.
 van der Kaay, Utrecht. Biscuits.

GROUP 126

PRESERVED MEAT, FISH AND VEGE-
TABLES

Firma B. Van der Sluys -Rotterdam. Canned
 & smoked fish.

GROUP 127

SUGAR AND CONFECTIONERY, CONDI-
MENTS AND RELISHES; NUTS
AND FRUIT FOODS

Betke's Hollandsche Cacaofabriek, Amster-
 dam. Cocoa.

de Firma B. van der Sluys, Rotterdam. Spices,
 oils and groceries.

Firma Gebr Cats—Rotterdam. Spices, dried
 fruits and oils.

Netherlands East Indian Commission Nether-
 lands, East Indies. Pepper, Wild Pepper,
 Java Cacao, Cassava Products (Tapioca),
 Cloves, Tea, Coffee, Nutmeg.

Onderneming Mataram - Soekaboemi, Java.
 Tea.

B. Van Der Sluys—Rotterdam. Salt.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED
SPIRITS AND COMMERCIAL
ALCOHOL

de Firma Gebr. Cats, Rotterdam. Bitters and
 liquors.

NEW ZEALAND

Location: Aves. C & D, bet. 6th & 8th Sts.

GROUP 122

ANIMAL FOOD PRODUCTS

Allanton Dairy Company, Ltd.—Allanton.
 Cheese.

Ambury's, Ltd.—Auckland. Butter.

Auckland Agricultural & Pastoral Society—
 Auckland. Mutton, lamb (refrigerated).

Auckland Farmers' Freezing Company, Ltd.—
 Auckland. Fish (refrigerated).

Avon Dairy Company, Ltd.—Christchurch.
 Butter.

Awahuri Dairy Company—Palmerston North.
 Butter.

Awatuna Dairy Company, Ltd.—Awatuna.
 East. Cheese.

Ballance Dairy Company, Ltd.—Mangamutu.
 Butter.

Belvedere Dairy Company, Ltd.—Carterton.
 Cheese.

Brown's Co-operative Dairy Company, Ltd.—
 Winton. Cheese.

Canterbury Central Dairy Company, Ltd.—
 Christchurch. Butter.

Canterbury Agricultural & Pastoral Associa-
 tion—Christchurch. Mutton, lamb (refrig-
 erated).

Cardiff Dairy Company, Ltd.—Stratford.
 Cheese.

Christchurch Meat Company—Christchurch.
 Mutton, lamb, kidneys, sweetbreads (refrig-
 erated).

Clandebye Dairy Company, Ltd.—Clande-
 boye. Cheese.

Dalefield Dairy Company, Ltd.—Carterton.
 Cheese.

Department of Agriculture, Industries & Com-
 merce—Wellington. Cheese.

Dimock, W., & Company, Ltd.—Wellington.
 Hams, bacon.

Eltham Dairy Company, Ltd.—Eltham. Cheese.

Eureka Dairy Company, Ltd.—Hamilton.
 Butter.

Featherston Dairy Company, Ltd.—Feathers-
 ton. Cheese.

Glen Oroua Dairy Company, Ltd.—Glen Oroua.
 Butter.

Hawera Dairy Company, Ltd.—Hawera.
 Cheese.

Hawke's Bay Agricultural & Pastoral Asso-
 ciation—Napier. Mutton, lamb (refriger-
 ated).

Joll T. L. Dairy Company, Ltd.—Okaiawa.
 Cheese.

Kaipara Dairy Company, Ltd.—Helenaville.
 South. Butter.

Kaitia Co-operative Dairy Company—Kaitia.
 Butter.

Kakarama Dairy Company, Ltd.—Kakarama.
 Cheese.

Kaupokonui Dairy Company, Ltd.—Kaupoko-
 nui. Cheese.

Lepperton Dairy Company, Ltd.—Inglewood.
 Butter.

Levin Co-operative Dairy Company, Ltd.—
 Levin. Butter.

Lochiel Co-operative Dairy Company, Ltd.—
 Winton. Cheese.

Mangorei Dairy Company, Ltd.—New Plymouth. Butter.

Manutahi Dairy Company, Ltd.—Manutahi. Cheese.

Marriott, Tait & Company, Ltd.—Ballance. Cheese.

Matakana Dairy Company, Ltd.—Matakana. Butter.

Matamau Dairy Company, Ltd.—Matamau. Cheese.

Maungatapere Dairy Company, Ltd.—Maungatapere. Butter.

Midhirst Dairy Company, Ltd.—Midhirst, Stratford. Butter.

Milton Dairy Company, Ltd.—Milton. Cheese.

Moa Farmers' Co-operative Dairy Company, Ltd.—Inglewood. Butter.

Momona Dairy Company, Ltd.—Momona. Cheese.

Nelson Agricultural & Pastoral Association—Nelson. Mutton, lamb (refrigerated).

New Zealand Dairy Association—Auckland. Butter.

New Zealand Sugar of Milk & Casein Company, Ltd.—Dunedin. Sugar of milk.

Ngairi Dairy Company, Ltd.—Stratford. Cheese.

Normanby Dairy Company, Ltd.—Hawera. Cheese.

Okain's Bay Dairy Company Ltd.—Okain's Bay. Cheese.

Opotiki Dairy Association—Opotiki. Butter.

Oporiao Dairy Company, Ltd.—Taneatua. Cheese.

Parkvale Co-operative Dairy Company, Ltd.—Carterton. Cheese.

Rangiwahia Dairy Company, Ltd.—Rangiwahia. Butter.

Raumati Dairy Company, Ltd.—Dannevirke. Cheese.

Riverdale Dairy Company, Ltd.—Inaha, Hawera. Cheese.

Ruatoki Dairy Company, Ltd.—Taneatua. Cheese.

Southland Agricultural & Pastoral Association Invercargill. Mutton, lamb (refrigerated).

Saxelby, J. K.—Woodlands. Cheese.

Stratford Farmers' Association—Stratford. Butter.

Taratahi Dairy Company, Ltd.—Carterton. Cheese.

Tearoha Dairy Company, Ltd.—Te Aroha. Butter.

Te Kuiti Dairy Company—Te Kuiti. Butter.

Thames Valley Dairy Company, Ltd.—Paeroa. Butter.

Thornbury Dairy Company, Ltd.—Thornbury. Cheese.

Tikorangi Dairy Company, Ltd.—Tikorangi. Butter.

Timaru Agricultural & Pastoral Association—Timaru. Mutton (refrigerated).

Waikato Dairy Company, Ltd.—Hamilton. Butter.

Waimamaku Co-operative Dairy Company, Ltd.—Waimamaku. Cheese.

Waiotahi Dairy Company, Ltd.—Waiotahi. Cheese.

Wanganui Agricultural & Pastoral Association—Wanganui. Mutton, lamb (refrigerated).

Wanganui Dairy Company, Ltd.—Wanganui. Casein, cheese, butter.

Wellington Farmers' Meat Company, Ltd.—Masterton. Beef, mutton, lamb (refrigerated).

Wellington Meat Export Co., Ltd.—Wellington. Beef, veal.

Whangaroa Dairy Company, Ltd.—Kaeo. Butter.

Winton Co-operative Dairy Company, Ltd.—Winton. Cheese.

Woodlands Dairy Company, Ltd.—Woodlands. Cheese.

Wyndham Dairy Company, Ltd.—Wyndham. Cheese.

GROUP 124

FARINACEOUS PRODUCTS AND THEIR DERIVATIVES

Nicol & Sons—Waimate. Flour.

Steven, A., & Company, Ltd.—Dunedin. Wheat products, oat products.

Wood Bros.—Christchurch. Wheat products, oat products.

GROUP 125

BREAD AND PASTRY

Mennie, J. M., Ltd.—Auckland. Biscuits.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Dimock & Company, Ltd.—Wellington. Canned meats.

Gear Preserving & Freezing Company, Ltd.—Wellington. Canned meats.

Wellington Farmers' Meat Company, Ltd.—Masterton. Canned meats.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Mennie, J. M., Ltd.—Auckland. Confections.

GROUP 133

USEFUL INSECTS AND THEIR PRODUCTS, INJURIOUS INSECTS AND PLANT DISEASES

Waikato Beekeepers' Association—Waihono Honey.

PORTUGAL

Location: 4th St., bet. Aves. A & B.

GROUP 122

ANIMAL FOOD PRODUCTS

Castro (Antonio Furtado de)—Horta (Azores). Butter.

Goncalves (Caesar)—Tomar. Cheese.

Pinho, Soares, Leite & Ca.—Macleira de Cambra. Butter.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Alves, Mendanha & Ca.—Setubal. Sardines in olive oil.

Barros (Antonio Judice Magalhaes)—Lagoa (Algrave). Sardines & mackerel in olive oil. Other fishes in pig-nut oil.

Candido & Ca. (Pedro Jose)—Vila Rial de Santo Antonio. Tunny & sardines in oil.
 Centeno, Cumbreira & Rodrigues—Vila Rial de Santo Antonio. Tunny & sardines in olive oil.
 Costa & Ca., Lda.—Olhao. Sardines in olive oil and in tomato. Sardines and mackerel in oil.
 Cristina & Quinta—Olhao. Sardines in olive oil.
 Fabrica de Conservas Lusitanas, Lda.—Matosinhos. Sardines in olive oil. Preserved vegetables (tomato).
 Ferreira & Ferreira, Lda.—Vila Franca de Xira. Preserved vegetables (peas & tomato).
 Guerra & Irmao (Jose de Conceicao)—Elvas. Preserved vegetables.
 Provisario (Antonio do Carmo)—Villa nova de Portimao. Pickled sardines and anchovies.
 Ramirez & Ca.—Vila Rial de Santo Antonio. Tunny & sardines in olive oil.
 Santos & Ca., Lda. (Alberto)—Olhao. Sardines and mackerel in olive oil.
 Sociedade Mercantil S. Joao—Lagos. Sardines in olive oil and in tomato.
 Tenorio (Francisco Rodrigues)—Vila Rial de Santo Antonio. Tunny and sardines in olive oil.
 Tovar & Ca. (Manoel Cassio)—Lagos. Sardines in olive oil.
 Trabucco (Gio Batta)—Olhao. Tunny & sardines in oil, pickled sardines & swallows.

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

A Uniao Industrial Lisbonense, Lda.—Lisbon. Confectionery, cocoa, chocolate.
 Goncalves (Caesar)—Tomar. Confectionery.
 Iniguez & Iniguez (A. J.)—Lisbon. Confectionery, cocoa, chocolate.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

Aguas "Caldas Santas"—Boticas, Vila Rial. Mineral waters.
 Aguas Di Mouchao da Povoia—Lisbon. Mineral waters.
 Assis & Ca. (Empresa das Aguas de Moura).—Lisbon. Mineral waters.
 Bastos, Azeredo & Ca. (Aguas de Vidago-Fonte Salus)—Lisbon. Mineral waters.
 Companhia das Aguas de Pedras Salgadas—Oporto. Mineral waters.
 Empresa de Agua das Lombadas—Lisbon. Mineral waters.
 Machado, Carreiro & Brazil—Ponta Delgada (Azores). Mineral water.

GROUP 129

WINES AND BRANDIES

Alves (Joao Camilo)—Bucelas. Claret and white wines and Muscadine wine.
 Araujo (Eduardo Veiga de)—Lisbon. Claret and white wines.
 A Uniao Vinicola—Oporto. Port wines.

Abudarham & Filhos (Viuva)—Funchal (Madeira Island). Madeira wines.

Almeida (Constantino d')—Vila Nova de Gaia. Sweet wine.

Azolano (Alfredo Jose)—Barreiro. Claret wine.

Barros (Antonio Judice Magalhaes)—Lagoa (Algrave). Claret wine, sweet wine, brandy.

Bos Alma & Filho (Antonio Duarte)—Cruz Quebrada. Claret wine.

Barrosa, Lda. (A. G. da Silva)—Vila Nova de Gaia. Port wines.

Borges & Irmao—Oporto. Port wines.

Cerqueira (Dr. Antonio do Lago)—Amarante. Claret and white wines.

Cunha, Filhos (Cipriano Augusto de)—Oporto. Claret wine, port wine.

Calado & Ca.—Oporto. Port wines.

Beis, Vas & Elberio—Oporto. Port wines.

Empresa Regional de Vinhos de Colares, Lda.—Colares. Claret wine.

Fonseca, Successores (Jose Maria de)—Azeitao. Claret, white wine, brandy, type "Cognac" and Muscadine wine.

Feria, Filhos (Viuva Domingos)—Lagoa (Algrave). Claret and sweet wines.

Freire (A.)—Bucelas. Claret and white wines, Muscadine wine.

Ferraz (F. F.)—Funchal (Madeira Island). Madeira wines.

Figueira (J. Teodoro)—Funchal (Madeira Island). Madeira wines.

Gomes da Silva & Ca. Filhos—Colares. Claret and white wines.

Guimaraes & Goncalves—Belas. Claret wine.
 Jacobetty (Alfredo)—Alcobaca. Claret and white wines, brandy.

Junta Agricola da Madeira—Funchal (Madeira Island). Madeira wines.

Leitao & Ca.—Lisbon. White wine.

Laranjo (Joao Augusto)—Horta (Azores). Sweet wine, brandy.

Leacock & Co.—Funchal (Madeira Island). Madeira wines.

Leao (Antonio da Rocha)—Vila Nova de Gaia. Port wines.

Leite Perry (Jose Bressane de) (Visconde de Leite Perry)—Horta (Azores). Sweet wines.

Magalhaes (Antonio Malheiro Pereira de)—Braga. Claret and white wines, brandy.

Mackenzie & Co.—Vila Nova de Gaia. Port wines.

Martinez, Gassiot & Co.—Vila Nova de Gaia. Port wines.

Martins (Jose Francisco Gregorio)—Horta (Azores). Sweet wine.

Nunes & Filhos (Viuva Joao)—Cintra. Claret wine.

Oliveira (Jose Duarte d')—Oporto. Claret and white wines.

Offley, Forrester & Co.—Vila Nova de Gaia. Port wines.

Palha & Irmao—Merceana. Claret and white wines.

Quintans (Carlos Elias)—Lourinha. Muscadine wine.

Rato & Ca. (Filhos) (Manoel Moreira)—Lisbon. Claret and white wine.

Rodrigues Pinho—Vila Nova de Gaia. Port wines.

Serradayres, Limitada—Lisbon. Claret and white wines.

Silva (Antonio Bernardino da)—Colares. Claret wine.

Soares (Henrique da Silva)—Cintra. Claret wine.

Soares (Jose Antonio d'Oliveira)—Evora. Claret and white wines.

Sousa (Antonio Joaquim Cerqueira de)—Ponte do Lima. Claret and white wines.

Santos & Co. (A. P.)—Funchal (Madeira Island). Madeira wines.

Silva & Cosens—Vila Nova de Gaia. Port wines.

Smith, Woodhouse & Co.—Vila Nova de Gaia. Port wines.

Stormonth, Tait & Co.—Vila Nova de Gaia. Port wines.

Sociedade Das Aguardenes Madeira, Limitada—Lisbon. Brandy type "Cognac."

Tavares (Augusto Gregorio)—Colares. Claret. Wine.

Taylor, Fladgate & Yeatman—Vila Nova de Gaia. Port wines.

Warre & Co.—Vila Nova de Gaia. Port wines.

Welsh Brothers—Funchal (Madeira Island). Madeira wines.

Weise & Krohn, Succ.—Vila Nova de Gaia. Port wines.

GROUP 130

SYRUPS AND LIQUORS, DISTILLED SPIRITS AND COMMERCIAL ALCOHOL

Albergaria (Jaime d')—Oporto. Punch.

Campeao (Carlos Pereira)—Alcobaca. Liqueur.

Sant'Ana & Co. (M. D.)—Montemor-o-Novo. Liqueur.

Sociedade das Aguardenes Madeira, Limitada—Lisbon. Vermouth.

GROUP 135

FOREST PRODUCTS

Burgos, Limitada (Jose Lopes)—Castelo Branco. Corks, cork boards, cork shavings.

Franco (F.)—Lisbon. Corks.

Jacinto & Correa (Bernardo)—Silves. Corks, cork boards.

Marimon (Luis Bordas y)—Vila Nova de Portimao. Corks, cork boards.

Taveira, Rocha & Co.—Silves. Corks, cork boards, cork shavings.

SIAM

Location: Siamese Building, Avenue of Nations, near Canadian Pavilion

GROUP 117

TOBACCO

Kee, E. H.—Siamese cigarettes.

Papayanopulos, C.—Egyptian cigarettes.

Siamese Tobacco Co.—Siamese cigarettes.

GROUP 126

PRESERVED MEAT, FISH AND VEGETABLES

Province of Bangkok—Fish oil,

GROUP 127

SUGAR AND CONFECTIONERY, CONDIMENTS AND RELISHES; NUTS AND FRUIT FOODS

Province of Bangkok—Vinegar.

Province of Bismulok—Extracts.

Province of Chantabun—Coffee, spices.

Siamese Crystallized Fruit Co.—Crystallized fruit.

Sukonta Pradist—Flavoring and coloring extracts

Swee Ho, H.—Flavoring and coloring extracts.

SPAIN

Location: Av. B, Between 1st and 2nd Sts.

GROUP 128

WATERS AND UNFERMENTED FRUIT JUICES

Garcia, Concepcion—Valencia. Mineral Water.

GROUP 129

WINES AND BRANDIES

Beltran, Romulo—Sitges. Wines.

Bodegas Bilbainas—Bilbao. Wines.

Bosch & Co.—Barcelona. Wine (Anis).

Bohorques, Eduardo—Jerez. Wines and Wine Tonic.

Jimenez, Eduardo—Seville. Wine (Anis).

Riera y Matas, Miguel—Sitges. Wines.

Serrano Estrela, Julio—Valencia. Wines.

SWEDEN

The exhibit of Sweden classified in this Department is installed in the Swedish Building, Avenue of Nations.

URUGUAY

Location: Palace of Agriculture, Av. C, Between 8th and 9th Sts.

GROUP 117

TOBACCO

Belda, P.—Montevideo. Cigarettes.

Clavier, A.—Montevideo. Stapled Tobacco; Cigarettes.

Mailhos, J.—Montevideo. Manufactured Tobacco.

Oneto, M. O.—Montevideo. Cigarettes.

Zerbino, S.—Montevideo. Cigarettes.

GROUP 122

ANIMAL FOOD PRODUCTS

Bureau of Expositions—Montevideo. Greases, etc. Colonia. Casein.

Gorronadona, E.—Colonia. Milk-Flour, Cream, Casein.

Irueta, Goyena y Etchegaray—Colonia. Butter, Grease and Sterilized Milk.

Silva, I.—Colonia. Sterilized Milk and Veld Bottles.

GROUP 123

**EQUIPMENT AND METHODS EMPLOYED
IN THE PREPARATION OF FOOD
AND BEVERAGES**

Díaz, Aznárez y Cia—Montevideo. Void Glass.
Globes.

GROUP 124

**FARINACEOUS PRODUCTS AND THEIR
DERIVATIVES**

Artola, A.—San José. Bran, Flour, Semolina.
Bureau of Expositions—Montevideo. Canned
and Feculas, Breakings and Pastes.

Díaz, J.—Montevideo. Rice Starch, Giant
Rice and Void Cakes.

Company "Salus"—Montevideo. Varied Food
Pastes.

Mercantile Chamber of Domestic Products—
Montevideo. Flour and Bran.

GROUP 125

BREAD AND PASTRY

Barreira & Sons, R.—Montevideo. Linen
Cakes.

Baruso Bros.—Montevideo. Biscuits.

GROUP 126

**PRESERVED MEAT, FISH AND VEGE-
TABLES**

Bonilla, C.—Montevideo. Pickled Partridges.

Bureau of Expositions—Montevideo. Canned
Meats, Extracts and Void Casks.

Frigorifica Uruguaya—Colonia. Palmatine Oil,
Suet, etc. Canned Tongue and Corned Beef.

Frigorifico "Montevideo"—Colonia. Suet,
Greases, Meat Meal.

GROUP 127

**SUGAR AND CONFECTIONERY, CONDI-
MENTS AND RELISHES; NUTS
AND FRUIT FOODS**

Bureau of Expositions—Montevideo. Chicory.

De Silva, Joaquín—Montevideo. Coffee.

Gamberoni, Antonio—Montevideo. Vinegar.

Pastorino y Cia, Juan—Montevideo. Coffee.

Díaz, Aznárez y Cia—Montevideo. Sugars and
Molasses.

Chiarino y. Pernice—Montevideo. Chocolates
and Bonbons.

Pomob, J. A.—Montevideo. Sweetmeats, Can-
dies, Syrups.

GROUP 128

**WATERS AND UNFERMENTED FRUIT
JUICES**

Bureau of Expositions—Montevideo. Salus,
Laxia and Vera.

Co-operative Society of Viticultors—Monte-
video. Sterilized Grape Juice.

Company "Salus"—Montevideo. Bottles of
Salus.

Company Vera—Montevideo. Bottles of Vera.
Lamaison & Villemur—Montevideo. Grape
Juice.

GROUP 129

WINES AND BRANDIES

Ambrossoni, Pedro—Salto. Bottled Wine.

Budetti, A.—Granja Nacional. Bottled Wine.
Colonia. Bottled Wine.

Bureau of Expositions—Montevideo. Wines.

Celli, R.—Montevideo. Wines.

Bureau of Expositions—Montevideo. Bottled
Wine.

Co-operative Society of Viticulture—Monte-
video. Bottled Wine.

Gonzalez, E.—Maldonado. Bottled Wine.

Lamaison & Villemur—Montevideo. Bottled
Wine.

Lanseri, J.—Tacuarembó. Bottled Wine.

Moll, J.—Salto. Bottled Wine.

Martinez, A.—Granja "Dolores." Bottled
Wine.

Rostagno, J.—Granja "Delia." Bottled Wine.

Sapelli, C.—Montevideo. Bottled Wine.

GROUP 130

**SYRUPS AND LIQUORS, DISTILLED
SPIRITS AND COMMERCIAL
ALCOHOL**

Bureau of Expositions—Montevideo. Liquors.

Dubra, Moret & Co.—Montevideo. Cotel Cola.

Parrabere, F.—Montevideo. Anise-seed, Aperi-
tives.

Valle, J. L.—Montevideo. Liquor, Wine, Aperi-
tives.

Official Catalogue of Exhibitors

Panama-Pacific International Exposition
San Francisco, California, 1915

CHARLES C. MOORE
President

Director-in-Chief
FREDERICK J. V. SKIFF

Division of Exhibits
ASHER CARTER BAKER, Director

Department K

HORTICULTURE

G. A. DENNISON, Chief

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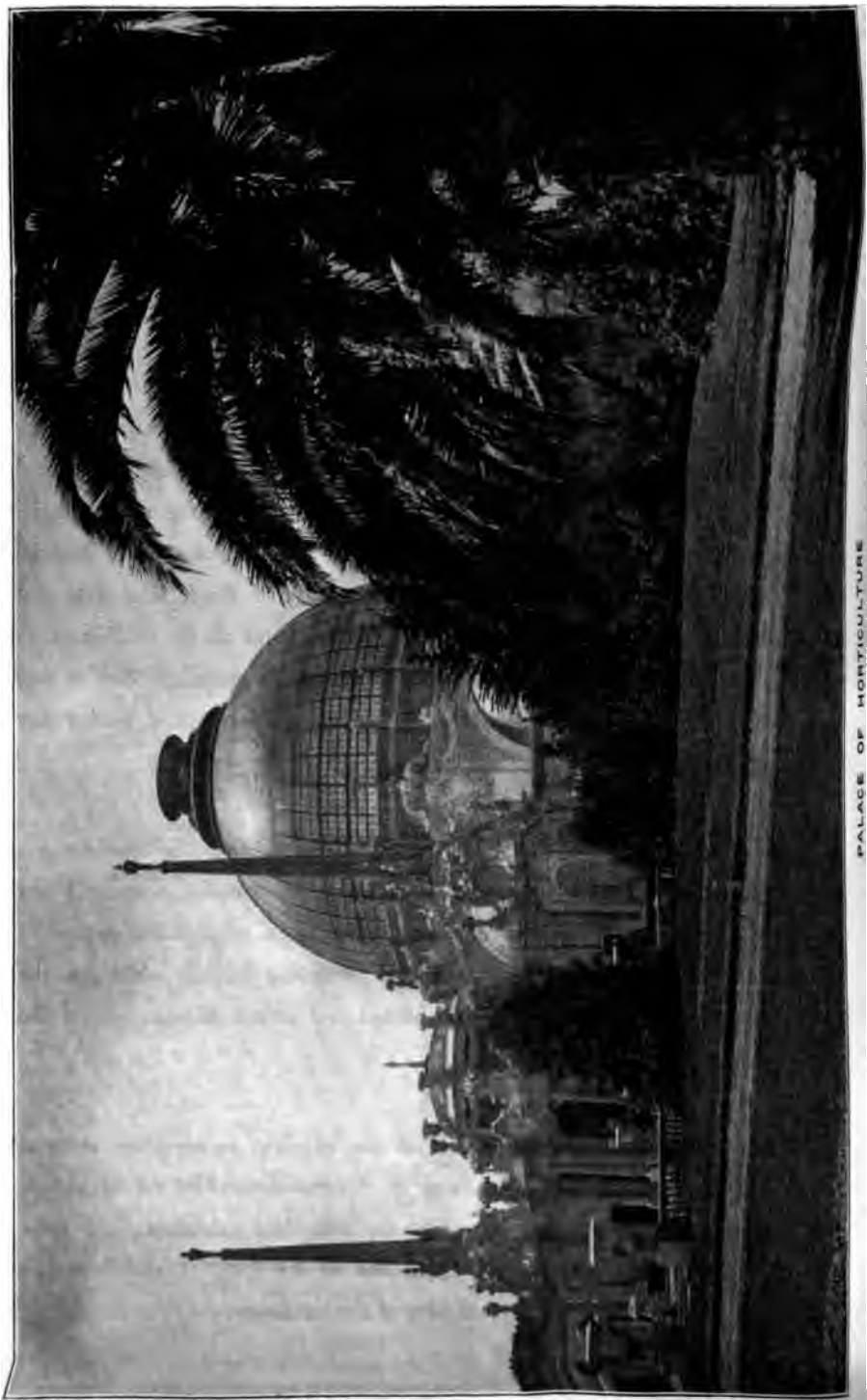
PREFACE

By Asher Carter Baker, Director of Exhibits.

A modern, universal exposition is an encyclopedia of man's words and works. It is a collection of the achievements and productivity of man for examination by the International Jury of Awards, and constitutes a compact, classified, indexed compendium of man's activity in all phases, extending from the most material to the most refined products. It is estimated that a million objects are exposed in the various displays installed within the palaces, and in the foreign, state and special pavilions. To properly classify, group and arrange all the exhibits of an exposition of such international scope, is a task of such magnitude that it was impossible to provide a complete catalogue of these exhibits on the opening day of the Exposition.

This revised and complete edition of the official catalogue is therefore presented. In realization of its extraordinary value as a document of general and commercial reference, special care has been given to its preparation, so that it constitutes a full list of the infinite variety of interesting exhibits which are the concrete evidences of the industrial, educational and artistic advancement of the world.

Acknowledgment is hereby offered of the excellent co-operation received in the compilation of this catalogue from the Commissioners-General of participating nations, officers of State Commissions, individual exhibitors, and more particularly the various officers of the Division of Exhibits, as also from the Official Catalogue Company, the publishers of this catalogue.



PALACE OF HORTICULTURE

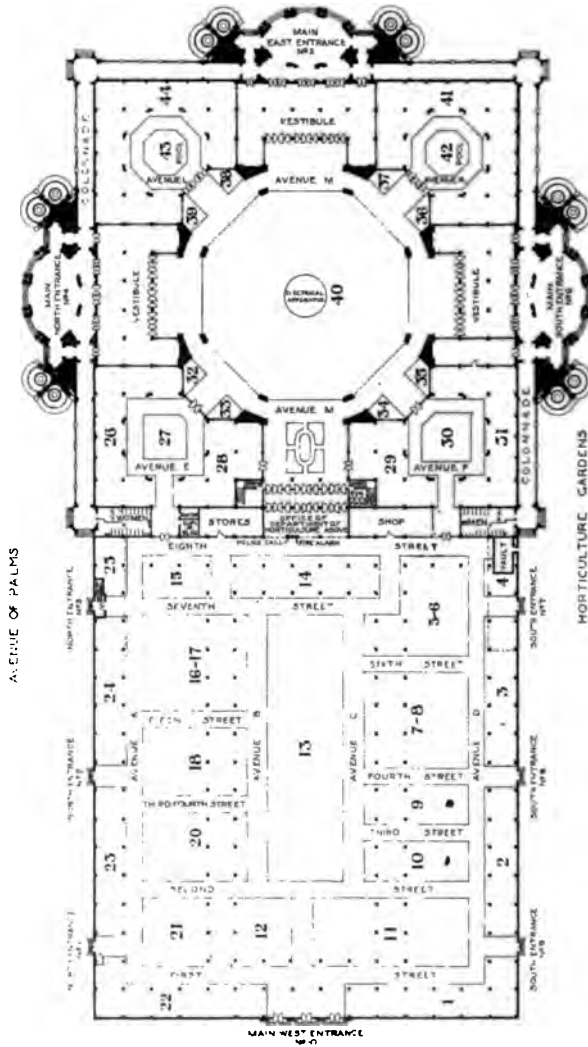
HORTICULTURE

Official Catalogue Department K

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340TH GARDENS



AVENUE OF PALMS

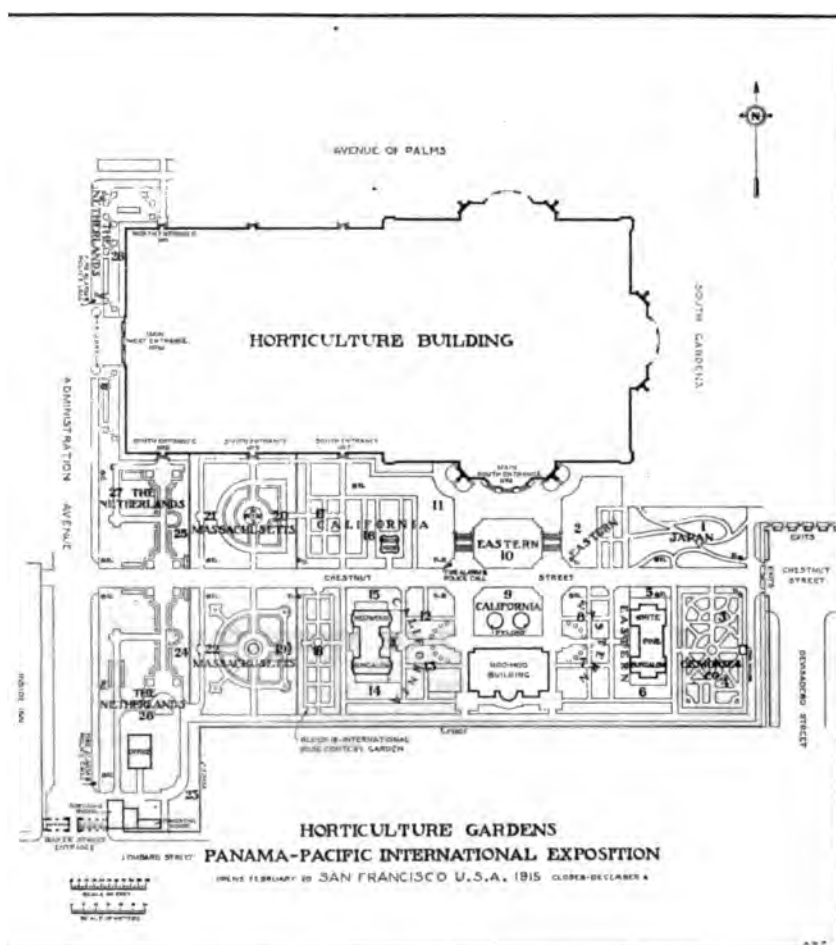
ADMINISTRATION AVENUE



FLOOR PLAN

PALACE OF HORTICULTURE
PANAMA-PACIFIC INTERNATIONAL EXPOSITION
SAN FRANCISCO U. S. A. 1915

SCALE OF FEET
1" = 100'
1" = 200'
1" = 300'



HOW TO LOCATE AN EXHIBIT

The Palace of Horticulture is laid out in blocks, which are consecutively numbered from 1 to 44, inclusive, as shown on the floor plan. The aisles are designated as streets (First to Eighth) running north to south, and as avenues (A to D), from east to west. To locate an exhibitor refer to the name, alphabetically arranged under the exhibit group to which each belongs in the official classification, and note the aisles location following each name. Street and Avenue signs are erected at their intersection on the corners of all blocks.

All Exhibits entered in this Catalogue are located in the Palace of Horticulture, **unless otherwise indicated** after the entry. The following are abbreviations used in this Catalogue to designate other Exhibit Palaces:

Fine Arts Palace.....	Fn. A. Pal.
Education Palace	Ed. Pal.
Liberal Arts Palace.....	Lb. A. Pal.
Manufactures Palace	Mfr. Pal.
Varied Industries Palace.....	V. I. Pal.
Machinery Palace	Mch. Pal.
Transportation Palace	Trns. Pal.
Agriculture Palace	Agr. Pal.
Food Products Palace.....	Fd. Pr. Pal.
Live Stock Palace.....	Lv. St. Pal.
Horticulture Palace	Hor. Pal.
Mines and Metallurgy Palace.....	Min. Pal.

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INTRODUCTION

Department of Horticulture

By

G. A. DENNISON

Chief

The Department of Horticulture has three distinct sections: The out-of-door exhibits in the Horticulture Gardens, the Conservatory, and the Economical Horticulture Section in the Palace of Horticulture.

In the Horticulture Gardens, which embrace floriculture and arboriculture, will be found exhibits illustrating the improvement of variety through seed selection, the creation of new varieties through plant hybridization, and the origination of new species through the Mendelian theory of segregation. The benefit of expert cultural methods will also be shown and an interesting feature will be found in a number of exhibits which are made by the originators of a particular fruit or flower. The International Rose Contest, participated in by the leading rose originators of the world, will be found in Block 18.

The great dome is a wonderful example of engineering ability, being the largest in the world, 152 feet in diameter and 186 feet high. Underneath its great expanse are the finest Royal and Cocos Palms in America. The curious *Mycrocycus*, hundreds of years old, and the various forms of plant life peculiar to the tropics will be of special interest, and the exhibits of aquatics in Pools Nos. 42 and 43 contain many new and beautiful varieties of day and night-blooming plants.

The Economical Section, which adjoins the great dome, embraces Pomology in all its phases, together with the mechanical appliances used in its production and marketing. All standard varieties of fruits will be shown in their commercial pack, and new and interesting varieties will also be seen. The educational features are particularly interesting, and are made with the idea of presenting the practical handling of all fruits. The model cannery will show all processes, from the receipt of the loose fruit from the orchard until, as canned fruit, it is boxed ready for delivery to the grocer. Microscopists and chemists will conduct their laboratories in full view of visitors, showing how they arrive at their decisions. The orange-packing house will show how the loose fruit is received, brushed, labeled, packed and boxed. The seed-packing establishment will show the preparation of the seeds and how they are packed for the market. The dried fruit exhibits in standard commercial packages and in the new family-size carton, and the raisin seeding and packing establishment will be worthy of consideration, as will the operating exhibits of horticultural machinery, spraying devices, etc.

The endeavor of the exhibit as a whole has been an arrangement which will prove of interest to the casual visitor who wishes to be entertained, to the student who desires to acquire objective demonstration of methods, to the business man seeking increased information as to standard packs and commodities, to the investing homeseeker desiring to be informed upon the horticultural resources of the various States and countries, and to the housewife, that she may know how fruit is handled before it reaches her hands in any form of a commercial package.

DEPARTMENT OF HORTICULTURE

Official Classification of Exhibits

GROUP 144

APPLIANCES AND METHODS OF POMOLOGY, FLORICULTURE AND ARBORICULTURE

- Class 700. Horticultural tools; methods and appliances for gathering, packing and transporting produce; pruning and grafting knives, ladders; tree diggers; watering apparatus; spraying apparatus and insecticides.
- Class 701. Frost-fighting principles, methods and devices; apparatus for preventing injury by frost; methods of de-frosting or thawing. Orchard heaters; heaters and vaporizers; heaters and covers.
- Class 702. Apparatus and objects for ornamenting gardens; vases, pots, chairs, seats, fountains, labels, etc.
- Class 703. Glass houses and their accessories; heating apparatus, matting, etc.
- Class 704. Aquariums for plants. Ferneries, etc., for use in dwellings.
- Class 705. Garden architecture and landscape gardening; plans, drawings, models, books, pictures, etc.

GROUP 145

APPLIANCES AND METHODS OF VITICULTURE

- Class 706. Types of buildings used in connection with vine culture.
- Class 707. Methods of picking, packing and transporting fresh grapes.
- Class 708. Raisin growing; methods of curing, packing, grading, etc.

GROUP 146

POMOLOGY

- Class 709. Pomaceous and stone fruits: apples, pears, quinces, peaches, apricots, plums, nectarines, cherries, grapes, etc.
- Class 710. Citrus fruits: oranges, lemons, limes, shaddock, pomelos, etc.
- Class 711. Tropical and semi-tropical fruits: pineapples, avocados, bananas, guavas, mangoes, tamarinds, figs, olives, sapodillas, etc.
- Class 712. Small fruits: strawberries, raspberries, blackberries, dewberries, gooseberries, currants, etc.
- Class 713. Fruits matured in frost districts under frost protecting appliances.
- Class 714. Nuts: walnuts, almonds, chestnuts, filberts, pecans, hickorynuts, etc.
- Class 715. Casts and models of fruits in wax, plaster, etc. Photographs, publications and monographs. Labels for canned or preserved fruits.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

- Class 716. Fruits, dried or prepared: prunes, figs, raisins, peaches, apricots, dates, etc.
- Class 717. Fruits, canned, in tins or in glass. Fruits preserved without sugar.
- Class 718. Pickled fruits. Brandied fruits. Preserves, jellies and jams.
- Class 719. Processed fruits.
- Class 720. Olives: green, ripe, pickled and dried. Olive oil.
- Class 721. Equipment for and processes of canning fruit. Canning factories.

GROUP 148

FRUIT CULTURE

- Class 722. Collections of fruit trees and vines. Methods of propagating, packing, shipping, planting, growing, training, pruning, etc.
- Class 723. Plants of small fruits: strawberries, raspberries, blackberries, gooseberries, etc. Methods of propagating, growing, transplanting, training, packing, shipping, etc.
- Class 724. Methods of cross-fertilization of fruits and nuts.
- Class 725. Exhibits of insect pests and diseases of fruit trees, vines and plants, and modern appliances for their eradication. Advantages in the use of predaceous and parasitic insects.

GROUP 149

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

- Class 726. Ornamental trees, seedlings or grafted. Methods of propagating, packing, shipping, planting, growing, training, grafting, pruning, etc.
- Class 727. Ornamental shrubs, deciduous and evergreen. Methods of propagating, packing, shipping, planting, growing, training, grafting, pruning, etc.
- Class 728. Flowering plants for the park or garden. Bulbous plants grown in open ground. Botanical specimens. woody plants

- s 729. Plants for the conservatory, ornamental and flowering. Hot-house plants and those grown in houses of moderate temperature.
- s 730. Specimens of culture used in different countries for use or for ornament.
- s 731. Forced culture of fruits; specimens and processes.
- s 732. Insect pests, fungus diseases and parasitic growths affecting ornamental trees and plants; natural and artificial methods of combating them.
- s 733. Masses and baskets of flowers. Bouquets of natural flowers. Wax or other imitations of plants, leaves or flowers. Florists' supplies.

GROUP 150

SEEDS, BULBS, CUTTINGS AND PLANTS FOR PROPAGATING

- s 734. Collections of seeds of flowers, plants and trees.
- s 735. Collections of bulbs for planting.
- s 736. Collections of cuttings or young plants for grafting. Nursery stock. Methods of packing and shipping.
- s 737. Flowers and plants grown for perfumes, extracts, and medicinal uses.

GROUP 151

THEORY OF HORTICULTURE AND HORTICULTURAL STATISTICS

- s 738. Charts or diagrams showing the comparative area occupied by fruit industries in states and countries. Charts or diagrams illustrating progress of organization among fruit growers for promotion of their industry by improved packing and marketing methods.
- s 739. Charts showing moisture requirements of different fruits supplied by rainfall or irrigation, or by both. Charts or diagrams showing the period of ripening of different fruits in any state and country. Charts and names and time of market suitability of varieties of each fruit commercially grown in any state or country. Charts showing rainfall, sunshine and wind movements as affecting the character and yield of fruit.
- s 740. Graphic representations of the history and work of state and national horticultural societies, including publications thereof.
- s 741. Charts showing districts where frost protection will benefit growers.
- s 742. Treatises on international, national and interstate fruit and fruit tree quarantine. Charts showing quarantine passports, tags, certificates, etc.

DEPARTMENT K—HORTICULTURE

UNITED STATES

Appliances and Methods of Pomology, Floriculture, Arboriculture and Viticulture; Preserved, Dried and Pickled Fruits; Fruit Culture: Theory and Statistics of Horticulture. (See Classification)

GROUP 144

APPLIANCES AND METHODS OF POM- OLOGY, FLORICULTURE AND ARBORICULTURE

- Anderson-Barngrover Manufacturing Co., San Jose, Cal. Av. E. Dried Fruit Machinery.
- Atkins, E. C. & Company, Indianapolis, Ind. Pruning Saws. Mfr. Pal., 5th St., bet. Avs. C & D.
- Austin-Western Road Machinery Co., Chicago, Ill. Motor Lawn Mower. Mch. Palace, Bet. Avs. B & C, 4th & 5th Sts.
- Bean Spray Pump Co., Lansing, Mich. Centrifugal Pumps. Under Northwest Dome. Internal Combustion Engines. Spraying Equipment. Also at San Jose, Cal.
- Bean Spray Pump Co., San Jose, Cal.—Spraying Equipment. Under Northwest Dome. Internal Combustion Engines. Centrifugal Pumps. Also at Lansing, Mich.
- Bristol Company, The, Waterbury, Conn. Mch. Pal., 2nd St., cor. Av. D. Recording long-distance and Alarm Thermometers. See demonstrating models in Palace of Machinery.
- Bureau of Fisheries, Department of Commerce, Washington, D. C. Fed. Fr. Pal., 2nd St. bet. D & E Sts. Aquariums.
- Bush, J. W., Leupp, Ariz.—Garden Hoes, Horticulture Gardens.
- California Fruit Exploitation Co., San Francisco. Operating Dried Fruit Packing Plant. Bet. Avs. A & B & 5th & 7th Sts.
- California Spray Chemical Co., Watsonville, Cal. Spray Chemicals. 1st St., cor. Av. A.
- Cary Manufacturing Company, New York, N. Y. Fruit Case Strapping Machine. Av. D. near 6th St.
- Cleveland Foundry Co., The, Cleveland, Ohio. Mfr. Pal., Av. D. bet. 5th & 6th Sts. Mfrs. of New Perfection Orchard Heater. The skill and experience of the world's largest manufacturer of oil-burning devices is back of the Perfection line—the best materials, careful workmanship, standardized methods, constant inspection. The result—Perfection products give uniform satisfaction and last indefinitely.
- Cleveland Lawn Weeder Co., The, Cleveland, O. Weeders. Working exhibit. Horticulture Gardens. The "Cleveland" Lawn Weeder.
- Coldwell Lawn Mower Co., Newburgh, N. Y. Lawn Mowers. 1st St. cor. Av. D.
- Diston, Henry & Sons, Inc., Philadelphia, Pa. Pruning Saws; Post Hole and Tree Diggers. Mfr. Pal., Av. C, cor. 6th St.
- Experiment Station, University of California Berkeley. Ed. Pal., cor. Av. D. bet. 3rd & 4th Sts. Horticultural exhibit based on the work of the institution.
- Field Force Pump Co., Elmira, N. Y. Spraying Apparatus. 7th St., cor. Av. A.
- Friend Mfg. Co., Gasport, N. Y. Spraying Equipment. 1st St., cor. Av. A.
- Hammond, Benjamin, Beacon, N. Y. Insecticides. Horticulture Gardens.
- Hercules Powder Co. San Francisco, Cal. Horticultural Tools. Min. Pal. Ave. B & 7th St. Earth Augers, Subsoiling Bars; Tree Planting; See Exhibit in Section 30, in Palace of Mines and Metallurgy.
- International Harvester Company of America, Chicago, U. S. A. Agr. Pal., 4th St. bet. Avs. B & C. Horticultural tools, methods and appliances, and Spraying Apparatus.
- MacLeod Company, The, Cincinnati, Ohio. Agr. Pal., 1st St. & Av. H. Sprayers.
- Massachusetts Agricultural College, Amherst, Mass. Ed. Pal., cor. Av. D. bet. 3rd & 4th Sts. Horticultural tools, spraying appliances, etc.
- Peck, Stow & Wilcox Co., Cleveland, O. Pruning Shears. V. I. Pal., Av. A & 3rd St.
- Pittsburgh Air Tight Steel Tank Co., Pittsburgh, Pa. General Spray Exhibit. Av. D. near 6th St.
- Pneumatic Scale Corp., Norfolk Downs, Mass. Machines for sealing top and bottoms of cartons. Bet. Avs. B & C & 7th & 8th Sts.
- Richards, W. J., San Francisco. Balanced Aquarium. Conservatory, bet. Avs. M & 8th St.
- Rognier, G. & Co., San Mateo, Cal. Garden ornaments, Fountains, Seats, Etc. Av. F.
- Sarsi, O. S., San Francisco, Cal. Pal. of Mines, Avs. C & D. bet. 6th & 7th Sts. Garden Ornaments.
- Siebrecht & Son, New York City. Landscape Gardening around the New York State Building.
- Star Orchard Heater Company, Oakland, Cal. Orchard heaters. Pal. of Mines, bet. Avs. C & D and 6th & 7th Sts. Standard Oil Exhibit.
- Stewart Fruit Co., L's Angeles and San Francisco. Orange Packing. 1st St. Aves. C & D. Complete orange packing plant in operation, showing every phase of the industry, including grading, sizing, packing, box making, etc.
- Union Oil Company of California, San Francisco, Cal. Insecticides and Orchard Heating Oils. Mch. Pal. 2nd St. & Av. G2.

Winters Dried Fruit Co., Winters, Cal. Fruit Grader. 1st St., cor. Av. D.

Woodson, Robert Everard, St. Louis, Mo. Nut Cracking Machine. Av. D, cor. 7th St.

GROUP 145

APPLIANCES AND METHODS OF VITICULTURE

California Associated Raisin Co., Fresno, Cal. Wrk. Exh. of Packing & Seeding Raisins. Bet. 7th & 8th Sts. & Avs. A & B.

GROUP 146

POMOLOGY

Package Fruit Exchange, San Francisco. Peasants, Peanuts, Walnuts, etc. Av. D, cor. 7th St.

Stewart Fruit Co., Los Angeles and San Francisco, Cal. Orange Packing. 1st St., bet. Avs. C & D. A complete orange packing plant in operation, showing every phase of the industry, including grading, sizing, packing, box making and tagging.

Tribble Nurseries, Elk Grove, Cal. Nuts. Agr. Pal., Av. C & 9th St.

Winters Dried Fruit Co., Winters, Cal. Almonds. 1st St., cor. Av. D.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Anderson-Barngrover Manufacturing Co., San Jose, Cal. Continuous agitating cooker and cooler for Canned Foods; Fruit Grader, blancher for fruits and vegetables, exhaust box, lye peeler, sanitary syruping machine. Av. E.

Berger & Carter Co., San Francisco, Cal. Mch. Pal., 1st St. & Av. H. Canned fruit machinery.

Bristol Company, The, Waterbury, Conn. Mch. Pal., 2nd St., cor. Av. D. Recording Thermometers for Canning and Cured Fruit Packing-houses and Conservatories.

California Fruit Canners' Association, San Francisco, Cal. Av. B. 1st & 2nd Sts. Principal exhibit in Palace of Horticulture: exhibits with various counties in California State Building, and with allied industries in Food Products Building. Operates canneries in California, Oregon, Idaho and Hawaiian Islands. Packers of Canned Fruits, Preserves, Specialties, Dried Fruits. Executive Offices, 120 Market St., San Francisco, Cal.

California Associated Raisin Co., Fresno, Cal. Raisins. bet. 7th and 8th Sts. & Avs. A & B.

Castle Brothers, San Francisco, Cal. 1st St., cor. Av. A. Packers and Shippers: California Dried Fruits; Main Office 106 Pine Street, Packing houses—San Francisco, San Jose, Fresno, Selma, Pomona.

Citizens' Wholesale Supply Co., Columbus, O. Fd. Pr. Pal., 4th St., bet. Avs. D & E. Dried Fruits, Olive Products. Canned Fruits.

Conley & Conley Co., Inc., Los Angeles, Cal. Jellies. Fd. Pr. Pal., Av. B2, cor. 3rd St.

Fatjo, Luis M., Santa Clara, Cal. Dried fruits. Fd. Pr. Pal. Av. B, cor. 2nd St.

Franklin MacVeagh & Co., Chicago, Ill. Fd. Pr. Pal., Av. B2, cor. 3rd St. Fruit products.

Garrity, Mrs. F. E., San Mateo, Cal. Preserved Fruits. Fd. Pr. Pal., Av. B2, cor. 3rd St.

Hawaiian Pineapple Packers' Assn., Honolulu, T. H. Pineapple Products. Av. F. Hawaiian Pineapple, Hawaiian Pineapple Juice; Haiku Fruit & Packing Co., Ltd., Haiku, Maui, Hawaii, pineapple; Hawaii Preserving Co., Honolulu, Hawaii, pineapple; Hawaiian Islands Packing Co., Wahiawa, Oahu, Hawaii, pineapple; Hawaiian Pineapple Co., Ltd., Honolulu, Hawaii, pineapple; Kauai Fruit & Land Co., Kauai, Hawaii, pineapple; Libby, McNeill & Libby, Inc., of Honolulu, Hawaii, pineapple; Maui Pineapple Co., Maui, Hawaii, pineapple; Pearl City Fruit Co., Ltd., Honolulu, Hawaii, pineapple; Thomas Pineapple Co., Honolulu, Hawaii, pineapple.

Heinz, H. J. Co., Pittsburgh, Pa. Preserved Fruits, Jams and Jellies. Av. C, bet. 2nd & 3rd.

Hunt Brothers Co., San Francisco, Cal. Preserved Fruits. 1st St., cor. Av. A.

Lady Betty, Inc., Brookline, Mass. Preserved Fruits. Fd. Pr. Pal., Av. B2, cor. 3rd.

Libby, McNeill & Libby, Chicago, Ill. Preserves, etc. Fr. Pr. Pal. Av. E, cor. 2nd St. California Canned Fruits: Yellow Free Peaches, Yellow Cling Peaches, White Cling Peaches, Bartlett Pears, Grapes, Seedless Grapes, Apricots, Royal Anne Cherries, Black Cherries, Green Gage Plums, Egg Plums, Hawaiian Pineapple, Raspberries and Blackberries, Preserved Fruits, Jellies, Jams, Marmalades, Apple Butter, Olives, Olive Oil, Apples.

Los Angeles Olive Growers Ass'n., Los Angeles, Cal. Olive Oil, 2nd St., cor. Av. A.

McNeill & Higgins Co., Chicago, Ill. Preserves, Jams and Jellies. Fd. Pr. Pal., Av. B2, cor. 3rd St.

National Canners' Association, Washington, D. C. Canned Fruits, Factory Equipment for and Processes of Canning Fruits. Bet. 1st & 2nd Sts. & Avs. B & D.

American Blower Co., Detroit, Mich. Exhaust Fans for Canneries.

American Can Co., New York and San Francisco. Can Clinching Machine.

Anchor Cap & Closure Co., New York. Automatic Vacuum Closing Machine.

Anderson-Barngrover Mfg. Co., San Jose, Cal. Continuous Agitating Cooker and Cooler for Canned Foods; Fruit Grader, Blancher, for Fruits and Vegetables; Exhaust Box; Lye Peeler; Sanitary Syruping Machine.

Ayars Machine Co., Salem, N. J. Electrical Timing Device for Process Kettles; Tomato Filling Machine.

Beach Russ Co., Brooklyn, N. Y. Vacuum Pump.

Berger & Carter Co., San Francisco. Filling Table and Can Washer.

Burpee & Letson, Bellingham, Wash. Automatic Can Weighing Machine.

Burt Labeling Machine Co., Baltimore, Md. Can Labeling Machine.

California Iron Works, Riverside, Cal. Grip box truck for canning and packing houses. Demming, F. L., Chicago, Ill. Combined Vacuum and Can Closing Machine.

Dundon, P. J., San Francisco. Retort for Processing Canned Fruits.

General Machinery Mfg. Co., Los Angeles, Cal. Rotary Pump for controlling water pressure on Washing Machines.

Goodrich, B. F., Akron, O. Belting, Sanitary Type for Fruits, etc.

Haller, Jos. F., Pittsburgh, Pa. Washing Machine.

Bennett, Mrs. H. M.—Little Rock. Jellies.
 Bert Johnson Orchard Co.—Highland. Fruits in Tins.
 Caudle, E.—Greenwood. Fruits in Glass.
 Crossnoe, Mrs. T. C.—Hope. Jellies.
 Dixie Canner Co.—Little Rock. Equipment for Canning Fruits.
 Doyle, Mrs. C. E.—Little Rock. Fruits in Glass.
 Green, Mrs. Elliott.—Morrilton. Fruits in Glass.
 Hamilton & Son.—Fayetteville. Dried Fruits.
 Holland American Co.—Decatur. Fruit in Tins.
 Jonesboro Agricultural School.—Jonesboro. Processed Fruits.
 K. C. Southern Ry.—Mena. Processed Fruits.
 Kimmons, Walker & Co.—Fayetteville. Dried Apples.
 M. & N. A. Ry.—Harrison. Processed Fruits.
 Morgan Sanitary Evaporator Co.—Rogers. Sloate-Hatfield. Fruits in Tins.
 Smith, L. A.—Springdale. Fruits in Tins.
 State of Arkansas, by Cotton Belt Ry.—Texarkana. Processed Fruits.
 State of Arkansas, by Commissioner of Agriculture.—Little Rock. Processed Fruits.
 Teasdale, J. E.—Rogers. Dried Apples.
 Tuggle, W. M.—Little Rock. Processed Fruits.

GROUP 148

FRUIT CULTURE

Bauer, J. C.—Judsonia. Plants of Small Fruits.
 Britt, J. J.—Bentonville. Fruit Trees and Vines.
 Cope, W. A.—Jonesboro. Fruit Tree Diseases and Insect Pests.
 Green, T. H.—Russellville. Fruit Tree Diseases and Insect Pests.
 Goree, Earl.—Springdale. Fruit Trees and Vines.
 Hewitt, J. S., University of Arkansas.—Fayetteville. Fruit Tree Diseases and Insect Pests.
 Parker Bros.—Fayetteville. Fruit Trees and Vines.
 Stark Bros. N. & O. Co.—Fayetteville. Fruit Trees and Vines.
 University of Arkansas.—Fayetteville. Fruit Tree Diseases and Insect Pests. Methods of Pruning and Grafting.
 University of Arkansas.—Fayetteville. By W. H. Wicks. Cross Fertilization.
 Vestal, J. W. & Son.—Little Rock. Plants of Small Fruits.
 Waller, J.—Judsonia. Plants of Small Fruits.
 Wilson, L. C.—Wickes. Methods of Growing.

GROUP 149

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Parker Bros.—Fayetteville. Ornamental Trees.
 University of Arkansas.—Fayetteville. Insects, pests, fungus diseases affecting ornamental plants.
 Vestal, J. W. & Son.—Little Rock. Ornamental Trees.

GROUP 150

SEEDS, BULBS, CUTTINGS AND PLANTS FOR PROPAGATING

Britt, J. J.—Bentonville. Nursery Stock, Methods of Packing.
 Goree, Earl.—Springdale. Nursery Stock, Methods of Packing.

McKnight, Mrs. W. A.—Little Rock. Collection of Flower Seeds.

Stark Bros. N. & O. Co.—Fayetteville. Nursery Stock, Methods of Packing.

University of Arkansas.—Fayetteville. Collection of Flower Seeds.

GROUP 151.

THEORY OF HORTICULTURE AND HORTICULTURAL STATISTICS

Ozark Fruit Growers Ass'n.—Rogers. Charts Showing Progress of Organization for Shipping Purposes.

State of Arkansas—Fort Smith. Charts.

State of Arkansas—Fort Smith. State Horticultural Reports.

CALIFORNIA

Location: Bet. Aves. B & C & 2nd & 7th Sts.

GROUP 144

APPLIANCES AND METHODS OF POMOLOGICAL, FLORICULTURE AND ARBORICULTURE

California Box Spray Chemical Co.—Benicia. Insecticides.

Pacific Portland Cement Co., Consolidated, San Francisco, Cal. Garden Seats.

GROUP 146

POMOLOGY

Alameda County. Pomaceous, stone and citrus fruits; nuts.

California Almond Growers' Exchange, Sacramento. Almonds.

Humboldt County. Pomaceous and stone fruits; nuts.

Kern County. Pomaceous, stone and citrus fruits; nuts.

Mendocino County. Pomaceous and stone fruits; nuts.

Monterey County. Pomaceous and stone fruits; nuts.

Napa County. Pomaceous, stone and citrus fruits; nuts.

San Joaquin Valley Counties Commission, Fresno, Fresno, Merced, Madera, Kings, Stanislaus, San Joaquin, Calaveras and Mariposa. Pomaceous, stone and citrus fruits; nuts.

Santa Barbara County. Pomaceous, stone and citrus fruits; nuts.

Santa Clara County. Pomaceous and stone fruits; nuts.

Santa Cruz County. Pomaceous and stone fruits; nuts.

Shasta County. Pomaceous, stone and citrus fruits; nuts.

Siskiyou County. Pomaceous, stone and citrus fruits; nuts.

Solano County. Pomaceous, stone and citrus fruits; nuts.

Sonoma County. Pomaceous, stone and citrus fruits; nuts.

Southern California Panama Expositions Commission, Los Angeles, Cal. Los Angeles, San Diego, San Bernardino, Riverside, Orange, Ventura and Imperial Counties. Pomaceous and stone fruits, citrus fruits, nuts.

Sutter County. Pomaceous, stone and citrus fruits; nuts.

Tulare County. Pomaceous, stone and citrus fruits; nuts.

Yolo County. Pomaceous, stone and citrus fruits; nuts.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Alameda County. Dried, canned and processed fruits; olives and olive oil.

Ehmann Olive Co., Oroville, Cal. Ripe olives, olive oil.

Kern County. Dried, canned and processed fruits; olives and olive oil.

Monterey County. Dried, canned and processed fruits.

Napa County. Dried, canned and processed fruits, olives and olive oil.

San Joaquin Valley Counties Commission, Fresno, Fresno, Merced, Madera, Kings, Stanislaus, San Joaquin and Calaveras counties. Dried, canned and processed fruits, Fresno, Merced, Madera, Kings, Stanislaus and San Joaquin counties. Olives and olive oil.

Santa Barbara County. Dried, canned and processed fruits; olives and olive oil.

Santa Clara County. Dried, canned and processed fruits; olives and olive oil.

Santa Cruz County. Dried, canned and processed fruits; olives and olive oil.

Shasta County. Dried, canned and processed fruits; olives and olive oil.

Siskiyou County. Dried, canned and processed fruits.

Solano County. Dried, canned and processed fruits.

Sonoma County. Dried, canned and processed fruits.

Southern California Panama Expositions Commission, Los Angeles, Cal., Los Angeles, San Diego, San Bernardino, Riverside, Orange, Ventura and Imperial Counties. Dried, canned and processed fruits, olives and olive oil.

Sutter County. Dried, canned and processed fruits; olives and olive oil.

Tulare County. Dried, canned and processed fruits; olives and olive oil.

Yolo County. Dried, canned and processed fruits; olives and olive oil.

GROUP 148

FRUIT CULTURE

State Commission of Horticulture, Sacramento. Practical illustration of the State Insectary Service.

GROUP 149.

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Alameda County. Trees, shrubs, ornamental plants and flowers.

San Joaquin Valley Counties Commission, Fresno, Fresno County. Trees, shrubs, ornamental plants and flowers.

San Mateo County. Trees, shrubs, ornamental plants and flowers.

The Luther Burbank Co.,—301-5 Market St., San Francisco. Horticultural Novelties.

GROUP 150

SEEDS, BULBS, CUTTINGS AND PLANTS FOR PROPAGATING

Alameda County. Seeds, bulbs, cuttings and plants for propagating.

San Joaquin Valley Counties Commission, Fresno, Fresno County. Seeds, bulbs, cuttings and plants for propagating.

San Mateo County. Seeds, bulbs, cuttings and plants for propagating.

GROUP 151

State Commission of Horticulture, Sacramento. Theory of Horticulture; maps, charts and publications; State Quarantine Service.

CALIFORNIA GARDEN

Horticulture Gardens: Blocks 2, 9, 11, 12, 13, 14, 15, 16 and 17.

GROUP 148

FRUIT CULTURE

Etter, Albert F., Briceland, Humboldt Co. Strawberry plants. Blocks 13 and 14, Bed XXXVI.

GROUP 149

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Bessie Boston Dahlia Farm, San Mateo, Cal. Dahlias. Block 12, Bed XXVIII; Block 13, Bed XXVII.

Branin, Mrs. Jamina, San Lorenzo. Roses. Block 18.

Bustrim, Wm., Watsonville. Lilies. Liliun Harrisii. Block 16, Bed LX.

California Nursery Co., Niles. Coniferous Trees. Block 9.

California Rose Co., Pomona. Roses. Block 17, Beds LXVIII and LXIX.

Coates, Leonard Co., Morganhill. Acacias, Eucalyptus, trees and shrubs. Block 13, Bed XXVI; Block 16, Bed LXI.

Dahlia Gardens, The, San Francisco. Dahlias. New Seedlings. Block 17, Bed LXXI.

Etter, Albert F., Briceland, Humboldt Co. Hybrid columbines. Block 15, Bed XXXI.

Fancher Creek Nurseries, Fresno. Palms, ornamental shrubs and plants. Block 2, Bed VII.

Ghadell, Miss Ruth C., San Francisco, Cal. Block 14, Bed XXXVI. Dahlias.

Gill, E., Nursery Co., W. Berkeley. Roses. Block 16, Bed LVII; Conifers, Block 12, Bed XXVIII.

Gustine Spineless Cactus Co., Gustine. Spineless Cactus. Block 16, Bed LXI.

Lohrmann, E., San Rafael. Flowering plants. Block 16, Bed LV. Dahlias and iris. Block 17, Bed LXX rehmannia.

Metzner Floral Co., Mountain View. Flowering plants. Block 2, Bed VIII and Block 11, Bed L.

Pacific Coast Bulb Co., Santa Cruz. Tulips. Block 17, Bed LXIII.

Purdy, Carl, Ukiah. Bulbous Plants. Hardy perennials. Block 15, Bed XXXI.

Santa Barbara Nursery Co., Galeta. Evergreens and deciduous shrubs. Block 13, Bed XXVII.

Santa Cruz Co., Santa Cruz. Freesias. Block 16, Bed LXIII; Gladioli, Block 13, XXVI.

Schnitz & Dobner, Stockton. Floral display. Begonias, Pelargoniums. Agr. Pal., Av. C & 9th St.

Shepherd, Theodora B. Co., Ventura. Petunias. Block 16, Bed LVIII.

Turner, Henry W., Montebello. Roses. Block 17, Bed LXVI.
 Twichett, A., San Francisco. Block 17, Bed LXX and LXXI. Dahlias.
 Vallance Nursery Co., Oakland. Roses. Block 17, Beds LXIV, LXV, LXVII.
 Vanderbilt, Newell F., San Rafael. Delphiniums and Dahlias. Block 17, LXX; Geraniums, Block 18, Bed LV.
 Wagner, J. B., Pasadena, Cal. Wagner's Giant Winter Rhubarb yield—\$1,000 acre yearly. Block 6, Bed XXIV.
 Wallace, Grant, San Mateo. Eucalyptus. Block 17, Bed LXII.
 Willey, J. H. & Co., Santa Cruz. Dahlias and Gladioli. Block 18, Bed LIV.
 Wood, Mrs. John S., Alameda, Cal. Roses. Center Block 17.
 Zvolanek, Ant. C., Lompoc, Cal. Sweet Peas. Winter Flowering Sweet Peas. Blocks 16 and 17, Beds LX and LXIII. These Sweet Peas usually bloom in (80) to (90) days after sowing, any time in the year, out of doors or in greenhouses. Originated by Ant. C. Zvolanek, Lompoc, Cal.

IDAHO

Location: Bet. 7th & 8th Sts. & Aves. B & C.

GROUP 146

POMOLOGY

Ahlstrand Fred.—Fruitland. Apples.
 Alderson, Jno.—Weiser. Apples.
 Alspach, S. B.—Payette. Apples.
 Barnes, Dr. N. B.—Emmett. Apples.
 Beckwith, T. J.—Payette. Apples.
 Berg, Louis.—Emmett. Apples.
 Blakesley, B. C.—Fruitland. Apples.
 Blakesley & Graham.—Fruitland. Apples.
 Bolton, S. H.—Twin Falls. Apples.
 Breckenridge, J. G.—Boise. Apples.
 Brockman, Fred.—Weiser. Apples.
 Brown, J.—Boise. Apples.
 Cable, H.—Weiser. Apples.
 Chisholm, H. C.—Twin Falls. Apples.
 Conway, J. E.—Twin Falls. Apples.
 Danielson, O. A.—Emmett. Apples.
 Dorothy, L. P.—Fruitland. Apples.
 Duell, Chas.—Fruitland. Apples.
 Fisher, Grant.—Fruitland. Apples.
 Focht, Wm.—Twin Falls. Apples.
 Fosselman, T. A.—Weiser. Apples.
 Fouts, W. E.—Payette. Apples.
 Frank, Geo.—Fruitland. Apples.
 Fritchman, Clarence.—Wood Spur. Apples.
 Garman, N. J.—Payette. Apples.
 Golden, H. E.—Payette. Apples.
 Goldsmith, Ira.—Weiser. Apples.
 Graham, Guy.—Fruitland. Apples.
 Green, Jay.—Twin Falls. Apples.
 Haines, J. D.—Weiser. Apples.
 Harland, H.—Wood Spur. Apples.
 Hatfield, H. N.—Boise. Apples.
 Henggler, Chas. B.—Fruitland. Apples.
 Herggler, Chas.—Fruitland. Apples.
 Hollenberg, H. B.—Weiser. Apples.
 Houk, M.—Boise. Apples.
 Hunter, E. E.—Fruitland. Apples.
 Huntington, C. E.—Fruitland. Apples.
 Jerome, Louis.—Payette. Apples.
 Johnson, A. E.—Parma. Apples.
 Johnson, Axel.—Payette. Apples.
 Johnson & Brigger.—Boise. Apples.
 Johnson, W. H.—Twin Falls. Apples.
 Jones, David.—Wood Spur. Apples.
 Kauffman, H. A.—Fruitland. Apples.
 Kennison, H. B.—Fruitland. Apples.
 Larson, C. E.—Payette. Apples.
 Lattig, C. P.—Wood Spur. Apples.
 Lattig, G. W.—Wood Spur. Apples.
 Lewis, Harry.—Fruitland. Apples.
 Lincoln, Geo.—Twin Falls. Apples.
 Lundstrum, W. M.—Boise. Apples.
 Madsen & Edgcomb.—Fruitland. Apples.
 Manville Fruit Co.—Boise. Apples.
 Martin, C. H.—Emmett. Apples.
 McCarron, Neal.—Boise. Apples.
 McElroy, H. E.—Boise. Apples.
 Minish, B. S.—Twin Falls. Apples.
 Monlox, Chas.—Boise. Apples.
 Moulton, Jno.—Weiser. Apples.
 Munn, T. E.—Weiser. Apples.
 Nesbit, S. E.—Twin Falls. Apples.
 Oster, Wm.—Wood Spur. Apples.
 Page, W. E.—Boise. Apples.
 Pardun, S. D.—Fruitland. Apples.
 Pennington, A. J.—Weiser. Apples.
 Perrine, I. E.—Twin Falls. Apples.
 Powell, M. E.—Fruitland. Apples.
 Rand, Lester.—Fruitland. Apples.
 Raymond, E. H.—Boise. Apples.
 Reed, W. A.—Fruitland. Apples.
 Rezac, Geo.—Wood Spur. Apples.
 Rinehart, Loren.—Council. Apples.
 Rogers, A. A.—Fruitland. Apples.
 Santee, G. V.—Council. Apples.
 Schermer, Wm.—Weiser. Apples.
 Scritchfield, J. O.—Fruitland. Apples.
 Shanks, L. M.—Payette. Apples.
 Simpson, Ira.—Boise. Apples.
 Smith Bros.—Fruitland. Apples.
 Smith H. E.—Payette. Apples.
 Snyder, L. A.—Twin Falls. Apples.
 Spencer, Wm.—Twin Falls. Apples.
 Starr, W. S.—Twin Falls. Apples.
 Steele, John.—Parma. Apples.
 Stetler, A. A.—Fruitland. Apples.
 Stimson, B. H.—Emmett. Apples.
 Stoughton, B. W.—Wood Spur. Apples.
 Supplee, F.—Wood Spur. Apples.
 Taylor, Geo.—Meridian. Apples.
 Taylor, L. E.—Fruitland. Apples.
 Taylor, M. E.—Parma. Apples.
 Van Buskird.—Boise. Apples.
 Waters & Cook.—Twin Falls. Apples.
 Wells, A. L.—Payette. Apples.
 White, Dan.—Fruitland. Apples.
 Whiteside, Mrs. Lydia.—Emmett. Apples.
 Whitsell, J. H.—Fruitland. Apples.
 Williams, D. W.—Weiser. Apples.
 Wood, A. E.—Wood Spur. Apples.
 Wood, Fremont.—Boise. Apples.
 Woods, R. H.—Wood Spur. Apples.
 Wynn, P.—Twin Falls. Apples.
 Yeot, W. M.—Meridian. Apples.
 Young, Lee.—Payette. Apples.

GROUP 147

PRESERVED, DRIED AND PICKLED
FRUITS

- Ahlstrand Bros.—Payette. Processed Fruits.
 Ames, G. E.—Lewiston. Processed Fruits.
 Apple, W. N.—Emmett. Processed Fruits.
 Bankson, W. H.—Lewiston. Processed Fruits.
 Barnes, Dr. N. B.—Emmett. Processed Fruits.
 Barringer, T. O.—Emmett. Processed Fruits.
 Beckwith, T. J.—Payette. Processed Fruits.
 Berridge, Mrs. Diana.—Boise. Processed Fruits.
 Berridge, N. G.—Boise. Processed Fruit.
 Blank, E. A.—Boise. Processed Fruits.
 Blatner, John.—Weiser. Processed Fruits.
 Bohrer, Chas. H.—Weiser. Processed Fruits.
 Bowers, B. O.—Emmett. Processed Fruits.
 Brunning, Jos.—Fruitland. Processed Fruits.
 Buck, S.—Lewiston. Processed Fruits.
 Buckman, C. D.—Emmett. Processed Fruits.
 Buena Vista Farm, B. S. Wright, Prop.—Emmett. Processed Fruits.
 Callender, Will.—Emmett. Processed Fruits.
 Cantwell & Glass.—Swan Falls. Processed Fruits.
 Clark, D. W.—Lewiston. Processed Fruits.
 Cockran, H. H.—Emmett. Processed Fruits.
 Coffman, J. W.—Weiser. Processed Fruits.
 Conway, J. E.—Twin Falls. Processed Fruits.
 Cook, Chas.—Emmett. Processed Fruits.
 Dagnall, Geo.—Lewiston. Processed Fruits.
 Danielson, O. A.—Emmett. Processed Fruits.
 Dean, E. E.—Wood Spur. Processed Fruits.
 De Clark, H. J.—Emmett. Processed Fruits.
 Dewey, J. C.—Emmett. Processed Fruits.
 Dodge, Mrs. E.—Boise. Processed Fruits.
 Driscoll, Mrs. T.—Payette. Processed Fruits.
 Duffie, Allen H.—Lewiston. Processed Fruits.
 Durham Bros.—Emmett. Processed Fruits.
 Elwood, A. E.—Payette. Processed Fruits.
 Eureka Ranch, H. W. Holler, Prop.—Emmett. Processed Fruits.
 Fest, H. L.—Emmett. Processed Fruits.
 Flagler, Ira L.—Emmett. Processed Fruits.
 Fletmore, Lot L.—Weiser. Processed Fruits.
 Forner, Geo.—Payette. Processed Fruits.
 Foster, F.—Boise. Processed Fruits.
 Fouts, W. A.—Payette. Processed Fruits.
 Gamage, C. L.—Emmett. Processed Fruits.
 Gamin & Theuser.—Weiser. Processed Fruits.
 Gem Fruit Farm, J. L. Jensen, Prop.—Emmett. Processed Fruits.
 Glenn, Sam.—Boise. Processed Fruits.
 Gray, H. C.—Lewiston. Processed Fruits.
 Hallock, Jason.—Weiser. Processed Fruits.
 Hartley, Chas.—Emmett. Processed Fruits.
 Hartley, Ray.—Emmett. Processed Fruits.
 Hayes, E. K.—Emmett. Processed Fruits.
 Haynes, L. L.—Lewiston. Processed Fruits.
 Heath, L.—Emmett. Processed Fruits.
 Hitt, J. L.—Emmett. Processed Fruits.
 Homa, Wm.—Payette. Processed Fruits.
 Indian Cache Ranch.—Lewiston. Processed Fruits.
 Kofauver, Paul.—Emmett. Processed Fruits.
 Knox, H. L.—Emmett. Processed Fruits.
 Lathrop, A. C.—Emmett. Processed Fruits.
 Lee, N. R.—Lewiston. Processed Fruits.
 Lippe, D. H.—Lewiston. Processed Fruits.
 Maneman, A. C.—Fruitland. Processed Fruits.
 Mandville Fruit Company.—Boise, Idaho. Pure apple jelly.
 Manville Fruit Co.—Boise. Apples, Jelly.
 Marker, J. P.—Emmett. Processed Fruits.
 Martin, Chas.—Emmett. Processed Fruits.
 Mayfield, Max.—Boise, Idaho. Dried prunes.
 McCool, B. A.—Emmett. Processed Fruits.
 Mesa Orchard Co.—Mesa. Processed Fruits.
 Moulton, John.—Weiser. Processed Fruits.
 Mutch, F. E.—Caldwell. Processed Fruits.
 Niagara Spring Orchard.—Twin Falls. Processed Fruits.
 Obermeyer, Lou.—Emmett. Processed Fruits.
 Paine, Ben.—Roswell. Processed Fruits.
 Patvin, E.—Lewiston. Processed Fruits.
 Payette Commercial Club.—Payette. Processed Fruits.
 Perrine, I. B.—Twin Falls. Processed Fruits.
 Phillip & Rodenbaugh.—Caldwell. Processed Fruits.
 Pickering, E.—Lewiston. Processed Fruits.
 Prockish, Geo. J.—Weiser. Processed Fruits.
 Purcell, Neph.—Payette. Processed Fruits.
 Raymond, E. H.—Boise. Processed Fruits.
 Richards, A. A.—Emmett. Processed Fruits.
 Romrell, Geo. H.—McCannon. Prod. Fruits.
 Sanders, John.—Emmett. Processed Fruits.
 Santa Rosa Orchard Co., D. L. Ingard, Prop.—Fruitland. Processed Fruits.
 Schleicher, E.—Lewiston. Processed Fruits.
 Shaw, E. B.—Emmett. Processed Fruits.
 Shaw, E. W.—Emmett. Processed Fruits.
 Sincel, C. J.—Boise. Processed Fruits.
 Slager, Ira.—Emmett. Processed Fruits.
 Smitchger, L.—Boise. Processed Fruits.
 Sommercamp, H. J.—Fruitland. Processed Fruits.
 Stern, E. D.—Boise. Processed Fruits.
 Stephens, E. F.—Nampa. Processed Fruits.
 Sullivan & Sullivan.—Emmett. Processed Fruits.
 Taylor, E. P.—Payette. Processed Fruits.
 Taylor, Geo.—Boise. Processed Fruits.
 Taylor, S. F.—New Plymouth. Processed Fruits.
 University of Idaho—Moscow. Processed Fruits.
 Vahlberg, E. C. & Sons.—Emmett. Processed Fruits.
 Valberg, Ed.—Emmett. Processed Fruits.
 Warden, Abner.—Emmett. Processed Fruits.
 Weiser Fruit & Produce Growers' Association.—Weiser. Processed Fruits.
 Wherry, G. G.—Lewiston. Processed Fruits.
 Whitmore, J. A.—Boise. Processed Fruits.
 Wills, A. C.—Emmett. Processed Fruits.
 Wills, J. A.—Emmett. Processed Fruits.
 Wilson, Silas.—Nampa. Processed Fruits.
 Wood, A. E.—Payette. Processed Fruits.

Wynn, P.—Twin Falls. Processed Fruits.
 Yeck, John—Emmett. Processed Fruits.
 Yost, W. N.—Boise. Processed Fruits.

LOUISIANA

Location: Agr. Pal., Ays. B & C, bet. 8th & 10th Sts.

GROUP 146

POMOLOGY

Appel, Geo. H. & Co.—New Orleans. Pecans.
 Belanger, J. H.—Houma. Nuts.
 Burt, E. S.—Benton. Nuts.
 Chalons, Jos.—New Orleans. Citrus Fruits.
 Cox, W. D.—New Orleans. Pecans.
 Fasterling, J. B.—Buras. Citrus Fruits.
 Fisk, Mrs. B. S.—New Orleans. Citrus Fruits.
 Heckford, T. S.—Ruston. Nuts.
 Kennon, J. W.—Kentwood. Quinces.
 McClendon, Sam E.—Loranger. Quinces.
 McIlhenny Co.—Avez Island. Figs.
 Meyer, John—New Orleans. Citrus Fruits.
 Moore, Robt. S.—Naomi. Citrus Fruits.
 Perry, C. V.—Bastrop. Nuts.
 Quinette, F. A.—New Orleans. Citrus Fruits.
 Roak, J. B.—Leesville. Nuts.
 Robinson, M. E.—Arizona. Nuts.
 Steckler Seed Co.—New Orleans. Pecans.
 Turner, J. H.—Minden. Nuts.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Foley, Mrs. J. J.—Covington. Canned Kumquat oranges, quince marmalade.
 McIlhenny Company—Avery Island. Canned figs and fig jam.

MASSACHUSETTS

Location: Blocks 19, 20, 21 and 22,
 Horticulture Gardens

GROUP 149

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Alexander, J. K.—East Bridgewater. Dahlias.
 Bay State Nurseries.—North Abington. Trees, Shrubs. Growers of hardy ornamental trees, shrubs, vines, perennials, etc., at wholesale and retail. Catalog and price list mailed upon request. W. H. Wyman, Proprietor.
 Breck-Robinson Co.—Lexington. Trees, plants.
 Cherry Hill Nurseries.—T. C. Thurlow Sons, Inc., Proprietors—West Newbury. Plants.
 Dwyer, Edward F. & Sons—Lynn. Dahlias.
 Eager, George B.—Wakefield. Shrubs.
 Eastern Nurseries—Jamaica Plain. Phlox.
 Farquhar, E. J. & Co.—Boston. Shrubs.
 Fisher, Peter—Ellis. Carnations.
 Forbes & Keith—New Bedford. Dahlias.
 Gillett, Edward—Southwick. Ferns, plants.
 Manning, J. Woodward—North Wilmington. Shrubs.
 New England Nurseries—Bedford. Trees, Shrubs, Vines and Plants.

Old Colony Nurseries, Inc. — Plymouth Shrubs.

Patten & Co.—Tewksbury. Carnations.
 Rea, Frederic J.—Norwood. Phlox. Hard varieties.

Roland, Thomas—Nahant. Acacia.
 Sim, William—Cliftondale. Gladioli.
 Tracy, B. Hammond—Wenham. Gladioli.
 Walker, George H.—North Dighton. Dahlias.

MISSOURI

Location: Bet. Ays. A & B & 4th & 5th St

GROUP 148

POMOLOGY

Adams, W. D.—Booneville. Apples.
 Allen, W. F.—Booneville. Apples.
 Bassett, S. E.—Blackwater. Apples.
 Beal, Dr. E. L.—Republic. Apples.
 Bell, C. A.—Booneville. Apples.
 Bell, C. C.—Glasgow. Apples.
 Bennett, Mrs. M.—Neosho. Apples.
 Boring, Geo.—Princeton. Apples.
 Brandt, Fred—Dalton. Pecan Nuts.
 Brookings, W. E.—Neosho. Apples.
 Bruckner, Aug.—Booneville. Apples.
 Brummett, Chas.—Princeton. Apples.
 Bucksath, Ed.—Dalton. Pecan Nuts.
 Chinn, T. M.—Mayview. Apples.
 Dalton, Col. Richard—Hannibal. Apples.
 Diggs, A. E.—Blackwater. Apples.
 Ehlen, T. D.—Hickman Mills. Apples.
 Fairburn, John—Neosho. Apples.
 Fette, C. M.—Hannibal. Apples.
 Flournoy, W. F.—Marionville. Apples.
 Frost, Alawga—Cassville. Apples.
 Gladdish, J. E.—Higginville. Apples.
 Goodman, L. A.—Kansas City. Apples.
 Harris, I. A.—Booneville. Apples.
 Hetzler, Bros.—Columbia. Apples.
 Hinton, Claude—Springfield. Apples.
 Ikenberry, E. A.—Independence. Apples.
 Irwin, John M.—Kenwood. Apples.
 Jenkins, H. W.—Booneville. Apples.
 Jewet, E.—Booneville. Apples.
 Kilham, A. D.—Marionville. Apples.
 Kingsbury, Horace—New Franklin. Apple
 Kurd, W. G.—Hannibal. Apples.
 Lammers, H. G.—Booneville. Apples.
 Lawrence, G. W.—Booneville. Apples.
 Livesay, T. L.—Independence. Apples.
 Logan, Chas. W.—Logan. Apples.
 Logan, Geo. W.—Logan. Apples.
 Lowmiller, Dan'l.—Parkville. Apples.
 Mason, C. F.—Kansas City. Apples.
 McFarland, C. D.—Cassville. Apples.
 McIntosh, Mrs.—Neosho. Apples.
 Melkerman, E. E.—Booneville. Apples.
 Meyer, B. E.—Springfield. Apples.
 Moore, C. H.—Princeton. Apples.
 Myers, Mr.—Dewitt. Apples.
 Neosho Commercial Club—Neosho. Apples.
 Osborn, J. E.—Neosho. Apples.
 Payne, S. A.—Everton. Apples.

Petser, W. F.—Louisiana. Apples.
 Richardson, H. G.—Neosho. Apples.
 Richardson, J. H.—Neosho. Apples.
 Rigott, Fred—Booneville. Apples.
 Roberts, J. E.—Maysville. Apples.
 Rogue, E. C.—Blackwater. Apples.
 Ross, E. S.—Blackwater. Apples.
 Scheuster, Mr.—Auberry. Apples.
 Schlotzhauser, G. H.—Speed. Apples.
 Smith, J. M.—Neosho. Apples.
 Stark Bros.—Neosho. Apples.
 Steinman, Chas. W.—Dalton. Apples.
 Teubner, Chas.—Lexington. Apples.
 Thomas, A. G.—Blackwater. Apples.
 Thornton, G. Y.—Blackwater. Apples.
 Tucker, Mrs. C.—Princeton. Apples.
 Walker, John W.—Neosho. Apples.
 Wayland, M. A.—New Franklin. Apples.
 Wayman, H. S.—Princeton. Apples.
 Wayman, H. S. & Son—Princeton. Apples.
 Wilcox, J. D.—Neosho. Apples.

GROUP 147

PRESERVED, DRIED AND PICKLED
FRUITS

Brett, Mrs.—Koshkonong. Processed Peaches.
 Browlie, W. T.—Koshkonong. Processed
Fruits.
 Cooperative Orchard Co.—Koshkonong. Proc-
essed Fruits.
 Crause, Mrs. Geo. F.—Easton. Preserved
Fruits.
 Cresap, E. F.—Koshkonong. Processed Fruits.
 Curd, W. G.—Sarvernton. Processed Fruits.
 Experiment Station—Columbia. Processed
Fruits.
 Green Bay Lumber Co.—Koshkonong. Proc-
essed Fruits.
 Hitt Bros.—Koshkonong. Processed Peaches.
 Jenkins, H. W.—Booneville. Processed Fruits.
 Steinman, Chas. W.—Dalton. Processed
Fruits.

MONTANA

Location: Av. A, cor. 3rd St.

GROUP 146.

POMOLOGY

Aichel, Mrs. Andrew—Hamilton. Apples.
 Allomont Orchards—Lo Lo. Apples.
 Andrus, I. E.—Missoula. Apples.
 Bagley, W. F.—Woodside. Apples.
 Bentley, F. J.—Hamilton. Apples.
 Berry, E. L.—Thompson. Apples.
 Bohannon, W. I.—Glenn. Apples.
 Burrell, A. E.—Hamilton. Apples.
 Calbrick, Wm.—Kalispell. Apples.
 Clark, W. A. Orchard—Missoula. Apples.
 Cottrell, Mrs. Ida M.—Florence. Apples.
 Curlew Orchards—Victor. Apples.
 Curtis, L. A.—Hamilton. Apples.
 Day, Dr. L. W.—Darby. Apples.
 De Young Bros.—Hamilton. Apples.
 Railer, W.—Hamilton. Apples.
 Hamilton. Apples.

Elliott, Hazel—Hamilton. Apples.
 Elmer, Uriah—Whitehall. Apples.
 Engler, Frank—Victor. Apples.
 Estey, O. C.—Bigfork. Plums.
 Fitch, J. H. C.—Kalispell. Apples.
 Fox, Edwin—Missoula. Pears.
 Gibford, E. W.—Darby. Apples.
 Gray, Clark—Hamilton. Apples.
 Gregg, Richard—Kalispell. Apples.
 Grubb, G. H.—Kalispell. Apples.
 Hansen, Andrew—Hamilton. Apples.
 Hall, E. L.—Eureka. Apples.
 Hauf, John—Woodside. Apples.
 Hess, H. L.—Hamilton. Apples.
 Hightower, A. M.—Stevensville. Apples.
 Howell, Byron—Plains. Apples.
 Johnson, E. A.—Hamilton. Apples.
 Kress, Ben—Hamilton. Apples.
 Krohne, C. O.—Livingston. Apples.
 McElroy, Mrs.—Bigfork. Plums.
 Milbank, J. T.—Glenn. Apples.
 Montana Fruit Distrib.—Hamilton. Apples.
 Nicholson, E. B.—Como. Apples.
 Nicol, E. W.—Hamilton. Apples.
 Olsen, B. J.—Hamilton. Apples.
 Pennoyer, L. A.—Hamilton. Apples.
 Platt, H. & Son—Como. Apples.
 Proctor, C. E.—Proctor. Apples.
 Schultz, Wm.—Rollins. Apples.
 Scott, Willis—Eureka. Apples.
 Sears, I. H.—Hamilton. Apples.
 Shellhammer, G.—Hamilton. Apples.
 Stanford, Geo. S.—Somers. Apples.
 Taylor, Ray—Hamilton. Apples.
 Taylor & Welgemuth—Hamilton. Apples.
 University Orchard—Stevensville. Apples.
 Wemple, J. L.—Florence. Apples.
 White, Milo—Florence. Apples.
 Whiteside, Fred—Kalispell. Apples.
 Wood, J. C.—Bigfork. Apples, peaches, plums.
 Yennet, Jesse—Bigfork. Apples, peaches.
 Young, Claud—Hamilton. Apples.

NEVADA

Location: Agr. Pal., Av. A, bet. 9th & 10th
Sts.

GROUP 147

PRESERVED, DRIED AND PICKLED
FRUITS

Boyce, A. M.—Yerington. Processed Fruits.
 Calliente League—Calliente. Processed Fruits.
 Cowdery, Walter—Dayton. Processed Fruits.
 Fulstone, G. H.—Wellington. Processed Fruits.
 Howard, Gene—Dayton. Processed Fruits.
 Johnson, M. L.—Dayton. Processed Fruits.
 McGowan, John—Yerington. Processed Fruits.
 Sinclair, W. J.—Wellington. Processed Fruits.
 Snyder, John—Yerington. Processed Fruits.
 Wilson, J. I.—Nurdyke. Processed Fruits.

NEW YORK

Location: 2nd St., cor. Av. D

GROUP 146

POMOLOGY

Allis, Clarke—Medina. Apples.
 Allis, Seth & Son—Holley. Apples.
 Austin, James & Son—Kent. Apples.
 Beckwith, John S.—Albion. Apples.
 Boller, Chas. A. & Son—Sodus. Apples.
 Broadwell, F. G.—Waterport. Apples.
 Brown, H. L.—Carlton. Apples.
 Burrows, L. M.—Albion. Apples.
 Bush, S. J. T.—Morton. Apples.
 Case, B. J. & Co.—Sodus. Apples.
 Catchpole, E. W. & Son—North Rose. Apples.
 Chase, Mrs. Bert. L.—Dresden. Apples.
 Christensen, S. T.—Penn Yan. Apples.
 Crowell, S. E. & Son—Kent. Apples.
 Fullager, H. B.—Penn Yan. Apples.
 Harding, C. M.—Knowlesville. Apples.
 Hill, Harvey J.—Medina. Apples.
 Howard, W. E. & Son—Holley. Apples.
 LaMont, Geo.—Gaines. Apples.
 Lattin, Dr. F. H.—Gaines. Apples.
 Mack, Thos.—Holley. Apples.
 Miles, H. W.—Waterport. Apples.
 Mower, C. N.—Waterport. Apples.
 Nostrand, Peter E.—Shelter Island. Apples.
 Rupert, Frank E.—Seneca. Apples.
 Schamber, Geo. R.—Ballston Lake. Apples.
 Simpson, Geo. D.—Carlton. Apples.
 Snyder, A. G.—Murray. Apples.
 Snyder Brothers—Gaines. Apples.
 Tanner, Leslie—Medina. Apples.
 Van Vranken, A. Sons—Rexford. Apples.
 Wellman, H. E.—Kendall. Apples.
 Wilson, B. G.—Waterport. Apples.
 Wilson, P. B. & Son—Waterport. Apples.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Gaylord, W. T.—Sodus. Evaporated apples.
 Laverty, Mrs. M. E.—Avon. Canned fruits.
 Martin, Miss C. E.—Auburn. Canned, pickled and brandied fruits.
 North, Miss Ellen H.—Geneseo. Canned fruits.

GROUP 148

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Wood, Allen L.—Rochester. Boxwood plants.

OREGON

Location: Bet. Aves. C & D, & 5th & 8th Sts.

GROUP 146

POMOLOGY

Douglas County:

Roseburg Commercial Club and Growers of the Umpqua Valley—Roseburg. Apples, pears, peaches, grapes, cherries.

Hood River County:

Apple Growers' Assn.—Hood River. Apples, strawberries.

Apple Land & Orchard Co.—Hood River. Apples.

Brink Haven Orchard—Hood River. Apples.

Hood River Commercial Club—Hood River. Colossal model of Spitzenberg apple, semi-relief picture, etc.

King, W. E.—Hood River. Apples.

Miller, Gus—Hood River. Apples.

Putnam, John E.—Hood River. Apples.

Rodwell, Mrs. W. W.—Hood River. Apples.

Sears & Porter—Hood River. Apples.

Jackson County:

Ashland Fruit Growers—Ashland. Pears, apples, peaches and grapes.

Medford Fruit Growers—Medford. Pears, apples, peaches and grapes.

Josephine County:

Carson, A. H. & Son—Redlands Vineyard. Grapes.

Grants Pass Commercial Club. Apples.

Lowe, D. M.—Ashland. Apples, apricots, grapes, peaches, pears, strawberries.

Robinson, J. H. Peaches.

Turner & Augustine—Ellerslee Fruit Farm. Grapes and pears.

Wasco County:

Cooper, Robert. Cherries.

Hostetter, J. C. Apples.

Sandor, Julius. Apples.

The Dalles Business Men's Assn. Grapes.

Woodeki, Carl. Pears.

Willamette Valley Association:

Benton, Clackamas, Lane, Linn, Marion, Polk, Washington and Yamhill counties. Fruits, walnuts.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Cloud Canning Co.—Hood River. Canned fruits.

Hood River Apple Vinegar Co.—Hood River. Evaporated apples.

Prickett, J. W.—Lebanon. Evaporated Loganberries.

Wasco County:

The Dalles Business Men's Assn.—The Dalles. Prunes.

Willamette Valley Assn.—Benton, Clackamas, Lane, Linn, Marion, Polk, Washington and Yamhill counties. Dried and processed fruits.

GROUP 148

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

J. B. Pilkington—Portland. Buddleia Magnifica and Abelia Rupestris.

UTAH

Location: Bet. 3rd & 4th Sts. & Aves. C & D.

GROUP 146

POMOLOGY

Anderson, Lorenzo—Elwood. Apples.

Anderson, Selfus—Elwood. Apples.

2. A.—Logan. Apples.
 , T. B.—Tremonton. Apples.
 um, Andrew—Riverdale. Apples.
 um, Enoch—Riverdale. Apples.
 um, S. J.—Riverdale. Apples.
 H. C.—Kaysville. Apples.
 M. E.—Wellsville. Apples.
 4, John F.—Garland. Apples.
 ell, D. M.—Providence. Apples.
 H. B.—Riverdale. Apples.
 msen, Erastus—Bear River. Apples.
 msen, Theodore E.—Gunnison. Apples.
 s, crab apples, plums.
 r, Jas.—Provo. Apples.
 4, Edmond—Pleasant Grove. Apples.
 baum, Chas.—Ogden. Apples.
 ;, Horace—Pleasant Grove. Apples.
 on, Wm.—Logan. Apples.
 J. G.—Clearfield. Apples.
 1, B. F.—Moroni. Peaches.
 rack, Chas.—Provo. Apples.
 , Jas.—Provo. Apples.
 ra, Hyrum—Santaquin. Apples.
 en, J. H.—Elwood. Apples.
 e, J. I.—Layton. Apples.
 1, Fred—Tremonton. Apples.
 1, Rasmus—Bear River. Apples.
 1, Taylor—Manti. Apples.
 looper, O. H.—Ogden. Apples.
 n, Art—Pleasant Grove. Apples.
 ren, David—Tremonton. Apples.
 ren, J. P.—Bear River. Apples.
 rey, T. G.—Salina. Apples, pears.
 , Jas. P., Jr.—Tremonton. Apples.
 , Jas. P., Sr.—Tremonton. Apples.
 , W. E.—Freedom. Plums.
 n, Lewis—Elwood. Apples.
 n, Olaf—Elwood. Apples.
 Geo. J.—Ogden. Apples.
 Bishop—Logan. Apples.
 , Geo. T.—American Fork. Apples.
 F. C.—Tremonton. Apples.
 , J. L.—Clearfield. Apples.
 1 Orchard Co.—Corinne. Apples.
 A. D.—Clearfield. Apples.
 1, Robert—Logan. Apples.
 2, Jens.—Pleasant Grove. Apples.
 sen, Moroni—Bear River. Apples.
 al Sav. & Trust Co.—Garland. Apples.
 1, N. J.—Hyrum. Apples.
 1, D. O.—Hyrum. Apples.
 en, Mr.—Hyrum. Apples.
 op, E. S.—Tremonton. Apples.
 W. A.—Provo. Apples.
 A.—Ephraim. Prunes.
 , Gilbert—Clearfield. Apples.
 , T. J.—Provo. Apples.
 Jos. O.—Clearfield. Apples.
 m, Frank—Ogden. Apples.
 s, Hyrum—Morgan. Apples.
 n, O. J.—Provo. Apples.
 s, Ralph—Provo. Apples.
 . Andrew—American Fork. Apples.

Quayle, Mrs. Betty.—Logan. Apples.
 Quayle, John—Logan. Apples.
 Rasmussen, Pete.—Manti. Apples.
 Romney, Geo., Jr.—Smithfield. Apples.
 Rossiter, Mr.—Providence. Apples.
 Rouché, John E.—Millville. Apples.
 Schofield, Thomas—Layton. Apples.
 Spencer, Frank—Provo. Apples.
 Staples, J. L.—Elsinore. Pears, plums.
 Thinnes, C. F.—Ogden. Apples.
 Thompson, H. H.—Roy. Apples.
 Thornton, T. W.—American Fork. Apples.
 Wadley, J. D.—Pleasant Grove. Apples.
 Warnick, C. B.—Pleasant Grove. Apples.
 Weldman, J. L.—Bear River. Apples.
 Weldman, Peter—Bear River. Apples.
 West, Lester—Pleasant Grove. Apples.
 Wherry Bros.—Riverdale. Apples.
 Younker, D. A.—Logan. Apples.
 Zollinger, Wm.—Providence. Apples.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Alfred, Mrs.—Salina. Processed fruits.
 Andelin, O. W.—Provo. Processed fruits.
 Anderson, J. C.—Oak City. Processed fruits.
 Anderson, L.—Brigham. Processed fruits.
 Anderson, P.—Price. Processed fruits.
 Anderson, Parley.—Richfield. Processed fruits.
 Anderson, S. C.—Oak City. Processed fruits.
 Bagley, E. S.—Cottonwood. Processed fruits.
 Bannon, J. F.—Draper. Processed fruits.
 Barber, Jas.—Syracuse. Processed fruits.
 Barlow, Israel.—Ogden. Processed fruits.
 Barnes Orchard Co.—Clearfield. Processed fruits.
 Baum, F.—Heber. Processed fruits.
 Beatty Farm Co.—Tremonton. Processed fruits.
 Brown, C. F.—Tooele. Processed fruits.
 Bryson, J. D. & Sons.—Bountiful. Processed fruits.
 Butler, Mr.—Collrutch. Processed fruits.
 Carrera, Chas.—Helper. Processed fruits.
 Carter, E. G.—Provo. Processed fruits.
 Chay, Lee.—Salt Lake County. Processed fruits.
 Christensen, T. E.—Gunnison. Processed fruits.
 Cleland, A. J.—Ogden. Processed fruits.
 Craig, Wm.—Ogden. Canned fruits.
 Crane, A.—Mt. Pleasant. Processed fruits.
 Creighbaum, Chas.—Ogden. Processed fruits.
 Davis, E.—Provo. Processed fruits.
 Davis, W. D.—Minersville. Processed fruits.
 Downard, Geo.—Price. Processed fruits.
 Downes, Jas.—Provo. Processed fruits.
 Drake, J. W.—Green River. Processed fruits.
 Duffin, Mrs.—Woods Cross. Processed fruits.
 Duffin, S.—Clearfield. Processed fruits.
 Dutson, E.—Oak City. Processed fruits.
 Egbert, Mr.—West Jordan. Processed fruits.
 Eliason, B. F.—Moroni. Processed fruits.

- Erickson, F.—Salt Lake County. Processed fruits.
- Evans, Geo.—Granger. Processed fruits.
- Faddes, Bert.—Bountiful. Processed fruits.
- Fitzgerald, M.—Draper. Processed fruits.
- Flanders, H.—Santaquin. Processed fruits.
- Forsgren, J. H.—Tremonton. Processed fruits.
- Frye, W. H.—Price. Processed fruits.
- Fullmer, Sam C.—Mapleton. Processed fruits.
- Garff, P.—Draper. Processed fruits.
- Gibson, Fred.—Clearfield. Processed fruits.
- Hamblin, F. M.—Clearfield. Processed fruits.
- Hanks, A.—Clearfield. Processed fruits.
- Hansen, F. P.—Bear River. Processed fruits.
- Hansen, E.—Tremonton. Processed fruits.
- Hobson, F. H.—Coalville. Processed fruits.
- Hollingshead, S.—Minersville. Processed fruits.
- Holmgren, D.—Bear River. Processed fruits.
- Horsley, E. J.—Price. Processed fruits.
- Huff, J. A.—Moab. Processed fruits.
- Humphrey, T. G.—Salina. Processed fruits.
- Isaacson, Carl.—Brigham. Processed fruits.
- Jensen, A. E.—Freedom. Processed fruits.
- Jensen, C. J.—West Jordan. Processed fruits.
- Jensen, J.—Holliday. Processed fruits.
- Jensen, Leo.—Elwood. Processed fruits.
- Jensen, N. A.—Pleasant Grove. Processed fruits.
- Jones, D.—Bountiful. Processed fruits.
- Jones, Jas.—Price. Processed fruits.
- Kelly, Geo. J.—Ogden. Processed fruits.
- Kelsey, W. M.—Minersville. Processed fruits.
- Knudson, W. O.—Brigham. Processed fruits.
- Lance, Myron.—Moab. Processed fruits.
- Larson, L.—Holliday. Processed fruits.
- Liddell, P.—Wellington. Processed fruits.
- Lindgren, O.—Bountiful. Processed fruits.
- Mabey, J. L.—Clearfield. Processed fruits.
- Madson, G. B.—Mapleton. Processed fruits.
- McCleary, C. J.—American Fork. Processed fruits.
- McMichael, R.—Coalville. Processed fruits.
- Miller, Mrs.—Spring Glen. Processed fruits.
- Miller, J. P.—Moab. Processed fruits.
- Mortensen, M.—Honeyville. Processed fruits.
- Moss, John H.—Woods Cross. Processed fruits.
- Naylor, Fred.—Murray. Processed fruits.
- Nelson, M. C.—Geneva. Processed fruits.
- Newell, E.—Provo. Processed fruits.
- Nokes, C. M.—Riverton. Processed fruits.
- Nuttall, Mr.—Provo. Processed fruits.
- Olsen, A.—Ephraim. Processed fruits.
- Pack, David.—Bountiful. Processed fruits.
- Packard, Mr.—Corinne. Processed fruits.
- Palmer, Geo. W.—Farmington. Processed fruits.
- Park, D. S.—Provo. Processed fruits.
- Payne, Jos. P.—Clearfield. Processed fruits.
- Pelton, Mrs. N.—Woods Cross. Processed fruits.
- Perkins, Jasper.—Centerville. Processed fruits.
- Peterson, John.—Moab. Processed fruits.
- Phillips, H.—Porterville. Processed fruits.
- Porter, C. A.—Payson. Processed fruits.
- Porter, Mr.—Morgan. Processed fruits.
- Poulson, O. J.—Provo. Processed fruits.
- Poulson, E.—Pleasant Grove. Processed fruits.
- Poy, John.—Salt Lake County. Processed fruits.
- Pritchett, T. M.—Fairview. Processed fruits.
- Pulley, A.—American Fork. Processed fruits.
- Rasmussen, E. N.—Ogden. Processed fruits.
- Richens, W. F.—Provo. Processed fruits.
- Robert Bros.—Green River. Processed fruits.
- Roberts, Gus.—Bountiful. Processed fruits.
- Rose, Mrs. A. T.—Farmington. Processed fruits.
- Ryland, Geo.—Price. Processed fruits.
- Sacramento Bros.—Spring Glen. Processed fruits.
- Sappmyer, E.—Provo. Processed fruits.
- Scorup, J. H.—Salina. Processed fruits.
- Seddon, S. M. T.—Union. Processed fruits.
- Seegmiller, W. H.—Richfield. Processed fruits.
- Sheffer, Mrs.—Bountiful. Processed fruits.
- Smith, E. E.—Bountiful. Processed fruits.
- Smith, J. M.—Heber. Processed fruits.
- Smith, J. M. & Sons.—Draper. Processed fruits.
- Smith, J. O.—Centerville. Processed fruits.
- Smith, J. O.—East Mill Creek. Processed fruits.
- Smith, L. H.—Draper. Processed fruits.
- Smith, Ray.—St. George. Processed fruits.
- Smith, W. B.—American Fork. Processed fruits.
- Southern Experiment Farm.—St. George. Processed fruits.
- Spaulding, T. D.—Green River. Processed fruits.
- St. George Experiment Station.—St. George. Processed fruits.
- Star Canning Co.—Roy. Canned fruits.
- Stay, J. C.—Salt Lake County. Processed fruits.
- Stayles, J. L.—Elsinore. Processed fruits.
- Steed, E. V.—Clearfield. Processed fruits.
- Stoddard, A. P.—Minersville. Processed fruits.
- Stringham, Dr.—Bountiful. Processed fruits.
- Tallman, D.—Bountiful. Processed fruits.
- Todd, J. S.—Green River. Processed fruits.
- Waddoups, Thomas.—Bountiful. Processed fruits.
- Wadley, E. D.—Pleasant Grove. Processed fruits.
- Walker, Simon.—Oak City. Processed fruits.
- Walton, J. T.—Centerville. Processed fruits.
- Warwick, C. P.—Pleasant Grove. Processed fruits.
- Wasatch Orchard Co.—Ogden. Canned fruits.
- Webb, Jas. R.—Kayville. Processed fruits.
- Weldemon, P.—Tremonton. Processed fruits.
- Wherry Orchard.—Ogden. Processed fruits.
- Wicks, J. M.—Leeds. Processed fruits.
- Williams, H. E.—Syracuse. Processed fruits.
- Wilson, S. M.—Green River. Processed fruits.
- Winters, Mr.—Pleasant Grove. Processed fruits.
- Wood, Wm. B.—Minersville. Processed fruits.
- Woodbury, W. H.—Granger. Processed fruits.
- Woodhouse, E. P.—Provo. Processed fruits.
- Workman, A.—Hurricane. Processed fruits.
- World, H. J.—Price. Processed fruits.
- Worsley, W. W.—Farmington. Processed fruits.
- Wright Whittier Canning Co.—Ogden. Canned fruits.
- Youngberg, J. A.—West Point. Processed fruits.

WASHINGTON

Between 4th & 6th Sts. & Aves. C & D

GROUP 144**APPLIANCES AND METHODS OF POMOLOGICAL, FLORICULTURE AND ARBORICULTURE****Yakima Valley:**

Price Fruit Sizer Co.—North Yakima. Apple sizing machine in operation.

GROUP 146**POMOLOGY**

Austin Wood Yard—Sunnyside. Apples.

Baird, Jerome—Sunnyside. Apples.

Ferrell, O. E.—Sunnyside. Apples.

Kyler Brothers—Sunnyside. Apples.

Manson Improvement Club—Manson. Nuts.

Scoon, J. C.—Sunnyside. Apples.

Walla Walla County and Valley:

Anspach, C. H.—State Line. Apples.

Baker-Langdon—Walla Walla. Apples.

Blalock Fruit Co.—Walla Walla. Apples.

Brash, John—Walla Walla. Apples.

Duncan, Gavin—Walla Walla. Apples.

Hammit, L. F.—State Line. Apples.

Hansen, G.—Walla Walla. Apples.

Harris, W. S.—Waitsburg. Apples.

Hobson, G.—State Line. Apples.

O'Brien, C. S.—Walla Walla. Apples.

Pacific Fruit & Produce Co.—Walla Walla. Apples.

Taggard, J. D.—Waitsburg. Apples.

Warwick, W. G.—Dayton. Apples.

Walla Walla Commercial Club—Photographs.

Walla Walla County and Valley—Apple Feature.

Zanow, J.—Walla Walla. Apples.

Wenatchee Valley—Apples.

Wilkinson, E. H.—Sunnyside. Apples.

Yakima Valley:

Lynch & Taylor—North Yakima. Apples.

North Yakima Commercial Club—Photographs.

Richey & Gilbert—North Yakima. Apples.

Thompson Fruit Co.—North Yakima. Apples.

Wright Fruit Co.—North Yakima. Apples.

Yakima County Horticultural Union—North Yakima. Apples.

Yakima Fruit Growers' Exchange—North Yakima. Apples.

GROUP 147**PRESERVED, DRIED AND PICKLED FRUITS****Yakima Valley:**

Froudt, Miss Edith—Fairfield. Feature

Dried Apple Exhibit.

Spokane Chamber of Commerce—Spokane. Apple Products.

Todd, J. S.—Green River. Processed Fruits.

Walla Walla County and Valley:

Blalock Fruit Co.—Walla Walla. By-products Exhibit—Dried Fruits.

Walla Walla Commercial Club—Processed Fruits.

Yakima Valley:

Downs, Warren—North Yakima. Canned

Peaches.

Goldendale, Wash.—Processed Fruits.

North Yakima Commercial Club—Processed

Fruits.

Yakima Fruit Products Co.—North Yakima.

Evaporated Fruits.

GROUP 148**FRUIT CULTURE****Yakima Valley:**

Downs, Warren—North Yakima. Peach Tree.

UNITED STATES INSULAR POSSESSIONS**HAWAIIAN ISLANDS****GROUP 146****POMOLOGY**

Hawaiian Pineapple Packers' Assn.—Honolulu, T. H. Pineapple. Av. F.

Haiku Fruit & Pkg. Co., Ltd.—Haiku, Maui, Hawaii. Pineapple.

Hawaii Preserving Co., Ltd.—Honolulu, Hawaii, pineapple.

Hawaiian Islands Pkg. Co., Ltd.—Wahaiwa Oahu, Hawaii, pineapple.

Hawaiian Pineapple Co., Ltd.—Honolulu, Hawaii, pineapple.

Kauai Fruit & Land Co.—Kauai, Hawaii. Pineapple.

Libby, McNeill & Libby of Honolulu, Ltd.—Hawaii. Pineapple.

Maui Pineapple Co.—Maui, Hawaii. Pineapple.

Pearl City Fruit Co.—Honolulu, Hawaii. Pineapple.

Thomas Pineapple Co.—Honolulu, Hawaii. Pineapple.

GROUP 140**TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS**

Hawaii, Honolulu, U. S. Dept. of Agriculture

Experiment Stations—Conservatory. Dash-

-vines, palms, hibiscus, tree ferns, etc.

Sargent L.—Honolulu. Conservatory.

-et.

PHILIPPINE ISLANDS**GROUP 146****POMOLOGY**

Sever Haynes—Longos, Laguna. Agr. Pal.

Aves. E & D & 1st & 4th Sts. Preserved

fruit of the sugar palm.

GROUP 147**PRESERVED, DRIED AND PICKLED FRUITS**

Bureau of Science—Manila. Agr. Pal., Aves.

E & D & 1st & 4th Sts. Philippine fruits

canned in glass jars.

La Consolacion School—Jaro. Bouquet Arti-

ficial Passion Flowers. Pal. of Education,

1st St. and Av. A.

Philippine Board, Philippine Islands—Large

collection of orchids. Conservatory, Philip-

pine Pavilion.

Sisters of St. Paul—Manila. Bouquet of

Feather Flowers. Palace of Education, 1st

St., cor. Av. A.

University of the Philippine Islands—Manila.

Plaster of Paris Models of Philippine

Fruits. Agr. Pal., Av. E & D, 1st & 4th

FOREIGN GOVERNMENTS

ARGENTINE

Agr. Pal., Av. D & 5th St.

GROUP 144

APPLIANCES AND METHODS OF POMOL- OGY, FLORICULTURE AND ARBORI- CULTURE

Eugenoi Cardini—Buenos Aires. Enameled chairs and seats.

Machain & Co., E. A.—Buenos Aires. Patent Fruit Boxes.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Byrenna Cayetano—Buenos Aires. Fruits in Syrup.

Chammas Auguste—Cordoba. Canned Peaches; Fruits and Jams.

Colombo Carlon—Buenos Aires. Preserved Fruits.

Falletti Angel—Cordoba. Preserved Fruits.

Lopez P. Salvador—San Juan. Muscatel Grapes, and Peaches Canned.

Teisaire & Vera—Mendoza. Canned Peaches, Olives.

The Tigre Packing Co.—Tigre. Canned Peaches, Quince Jelly.

Vercese Pedro—Buenos Aires. Preserved Fruits in Glasses.

Vitaloni & Co.—Buenos Aires. Canned Fruits and Quince Jelly.

GROUP 149

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Aux Resedas Favrica Nacional de Flores Artificiales—Buenos Aires. One jardiner with assorted artificial plants and flowers.

AUSTRALIA

Location: Australian Pavilion, Presidio Entrance, Opposite Canadian Pavilion

GROUP 146

POMOLOGY

Alder, A.—Brisbane, Queensland. Collection of fruit models.

Department of Agriculture—Melbourne, Victoria. Collection of fresh fruits, grapes, pears, apples.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Department of Agriculture—Melbourne, Victoria. Collection of dried and preserved fruits.

Department of Agriculture—Sydney, New South Wales. Collection of dried, bottled and prepared fruits.

Finucan, M.—Brisbane, Queensland. Fruit preserves.

Hutton Ppy., Ltd.—Brisbane, Queensland. Canned fruits.

Jones, H. & Co., Ltd.—Melbourne Victoria. Assorted jams and jellies.

Victoria Cross Manufacturing Co.—Brisbane, Queensland. Collection of preserves and jams.

GROUP 149

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Australian Commission—Collection of Australian tree ferns. Australian Pavilion.

Australian Government.—Exhibit in Conservatory. Pal. of Hort. Tree ferns.

Botanic Gardens—Brisbane, Queensland. Collection of Australian staghorn and elk-horn ferns.

Browne, J. W. & Son.—Patonga, Woy Woy, New South Wales. Prepared dried and pressed ferns for decorative purposes.

CHILE

Location: Fd. Pr. Pal., 4th St., bet. Avs. D & E

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Agencias De Berna—Iquiqui. Canned fruits.

CHINA

Location: Fd. Pr. Pal., bet. Avs. B & C & 4th & 5th Sts.

GROUP 146

POMOLOGY

Woo Bo Son—Peh Si, Kwangse. Walnuts.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Amoy Tining Co.—China. Canned fruits.

Chili Exhibit Association—Chile. Dried fruits.

Kwong Ki Hong Co.—Honaw, Canton. Fruits preserved in cans; Yuenngau; lychee.

Man Lee Sweet Fruit Co.—Prepared plum; prepared Wange.

Tai Fong Canned Goods Co.—Canned plum.

The China Canning Co.—Carambola and peach, canned.

GROUP 150

SEEDS, BULBS, CUTTINGS AND PLANTS FOR PROPAGATING

Exhibit Association—Anhui. Lily seeds.

Exhibition Association—Chekiang. Lily seeds.

CUBA

Location: 1st St., cor. Av. C & Conservatory

GROUP 146

POMOLOGY

Cuban Government—Citrus fruits, tropical and semi-tropical fruits, coconuts, etc.

GROUP 147

**PRESERVED, DRIED AND PICKLED
FRUITS**

Cuban Government—Processed Fruits.

GROUP 149

**TREES, SHRUBS, ORNAMENTAL PLANTS
AND FLOWERS**

Cuban Government—Palms, ferns, shrubs and plants.

FRANCE

Location: Horticulture Gardens

GROUP 149

**TREES, SHRUBS, ORNAMENTAL PLANTS
AND FLOWERS**

Leroy Nurseries—Angiers, France. Roses, shrubs, flowering trees, conifers, plants. Block 7.

Pernet-Ducher, J.—Lyons. Roses. Block 18.

GERMANY

GROUP 144

**APPLIANCES AND METHODS OF POMOL-
OGY, FLORICULTURE AND ARBORI-
CULTURE**

Henckels, J. A. (Twinworks)—Solingen. pruning knives, budding knives, "Professional" pruning shears. V. I. Pal., Av. D & 5th St.

GROUP 149

**TREES, SHRUBS, ORNAMENTAL PLANTS
AND FLOWERS**

Lambert, Peter—Trier (Treyes). Roses. Block 18, Block 8, Bed XII, Hort. Gardens.

von der Lin, Catherine E.—Köln. Basket of artificial flowers. V. I. Pal., Av. D & 5th St.

**GREAT BRITAIN AND
IRELAND**

Location: Av. A, Between 2nd and 3rd Sts.

GROUP 144

**APPLIANCES AND METHODS OF POMOL-
OGY, FLORICULTURE AND ARBORI-
CULTURE**

Martineau, Mrs. Alice.—Hurst Court, Twyford, England. Model garden.

GROUP 149

**TREES, SHRUBS, ORNAMENTAL PLANTS
AND FLOWERS**

Location: Horticulture Gardens

Bide, E. S., & Sons, Ltd.—Farnham, England. Roses. Block 18.

Dickson, Hugh, Ltd., Royal Nurseries—Bel- fast, Ireland. Roses. Block 18.

Dobbie & Co.—Edinburgh, Scotland. Roses. Block 18. Bk. 2, bed V.

Kelway & Son.—Langport, Somerset, England. A collection of flowering annuals. Block 18, bed XXXVIII. Wholesale seed growers to the trade. Quotations for spot delivery (or for growing on contract and delivery after harvest 1915, 1916, 1917) on demand. Correspondence in any language. Recipients of 250 grand prizes, gold medals, etc.

McGredy, Samuel & Son.—Portadown, Ireland. Roses, block 18, Rose specialists, nurserymen and seedmen. Raisers of the world-famed gold medal roses. Annual output over 500,000 plants. Catalogs and prices on application.

Sutton & Sons—Reading, England. Flowering annuals. Block 18, Bed XXXVII A & B.

GROUP 147

Waterer, John Sons & Crisp.—Bagshot, Surrey, England. Rhododendrons, block IX.

GROUP 150

**SEEDS, BULBS, CUTTINGS AND PLANTS
FOR PROPAGATING**

Sutton & Sons.—Reading, England. Seeds. Av. A, bet. 2d & 3rd Sts.

GUATEMALA

Location: Pavilion of Guatemala, Near Inside Inn, Back of Japanese Gardens

GROUP 146

POMOLOGY

Dept. Isabel—Municipio Morales—Bananas.

GROUP 149

**TREES, SHRUBS, ORNAMENTAL PLANTS
AND FLOWERS**

Instituto Nacional de Varones.—Botanical specimens.

HONDURAS

Location: Honduras Pavilion, Near Inside Inn, Back of Japanese Gardens

GROUP 149

**TREES, SHRUBS, ORNAMENTAL PLANTS
AND FLOWERS**

Manuel A. Gamero—Danti, Elparaiso. Orchids.

GROUP 150

**SEEDS, BULBS, CUTTINGS AND PLANTS
FOR PROPAGATING**

Tiburcio Guerrero—Tegucigalpa. Izote plants. Ministerio de Fomento—Tegucigalpa. Vanilla fruit.

Municipalidad—Gracias. Gracias.

Municipalidad—Juticapla. Vanilla fruit.

INDIA

Location: Food Products Palace, 4th St., Between Avs. D and E

GROUP 146

POMOLOGY

Oriental Canning Co.—Hanover, India. Mango pulp.

ITALY

Location: Fd. Pr. Pal., Av. A, bet. 1st & 2nd Sts.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Bertolli, Francesco—Lucca. Olive oil.
Bonavera & Daffeno—Oneglia. Olive oil.
Costa Bros. & Co.—Genova. Olive oil.
Cassanello, P. T. & Co.—Genova. Olive oil.
Davine, Angelo Fug.—Lucca. Olive oil.
D'Uliva, Eugenio & Flli—Pescia. Olive oil.
Escoffier, A., & Figlio—San Remo. Olive oil.
Figli Gaetano Giurlani & Neri—Lucca. Olive oil.
Generoso Galimberti & Niponte—Genova. Olive oil.
Gianolio, E. & Co.—Genova. Olive oil.
Nucci fu Marcello, Francesco—Pescia. Olive oil.
Sasso, P., & Figli—Oneglia. Olive oil.
Soc. An. Cantine March. Fassati—Milano. Olive oil.

JAPAN

GROUP 144

APPLIANCES AND METHODS OF POMOL- OGY, FLORICULTURE AND ARBORI- CULTURE

Akiyama, K. and Onoma, Y. (associated exhibitors)—Tokyo-Fu and Ibaraki-Ken. Aquarium. Conservatory.
Kokohama Uyeiki Kabushiki Kaisha.—Kanagawa. Ornamental articles for gardens and miniature gardens. Japanese Garden.
Murata, K.—San Francisco, Cal. Aquarium. Conservatory.
Yokohama Nursery Co., The, Ltd.—Yokohama. Japanese Garden.

GROUP 146

POMOLOGY

Location: Av. A, cor. 4th St.

Bureau of Agriculture, Department of Agriculture and Commerce — Tokyo. Photographs and pictures showing the cultivation of citron and the system of inspection.
Kishnu Citron Assn.—Wakayama. Citron.
Shizuoka Citron Assn.—Shizuoka. Citron.
Soshu Citron Assn.—Kanagawa. Citron.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Yuhichi Tsuchinja—Gufyken. Dried persimmon fruits.

GROUP 148

FRUIT CULTURE

Location: Block 1, Horticulture Gardens
Chiyoda Nursery Co.—Aichi. Citron and wild orange trees.
Ishiguro, Kaichi.—Aichi. Citron and wild orange trees.

Kubo, Buhei.—Hyogo. Wild orange trees
Watase, Torajiro.—Tokyo. Peach, pear, persimmon and flowering crabapple trees
Wada, Tokuso.—Tokyo. Peach, pear, persimmon and flowering crabapple trees.

Yokohama Nursery Co.—Kanagawa. Flowers and plants. Av. A, cor. 4th St. (Syria flower basket); Av. M (conservatory plants). Hort. Pal.

GROUP 149

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Location: Japanese Gardens, Japanese Pavilion

Domoto Bros.—Oakland, Cal. Trees and plants.
Kijiro, Akashi.—Fukuoka. Aeglia.
Kotaro Tanaka.—Tokyo. Lillies and dwarf trees.
Nagaomura Kawabe Yengeigyo Kumiai.—Hyogo. Flowers and bulbs.
Nippon Yengei Kabushiki Kaisha.—Hyogo. Flowers and bulbs.
Seitaro Arai.—Kanagawa. Lillies.
Yokaro Kondo.—Aichi. Bulbs.
Yokohama Uyeiki Kabushiki Kaisha.—Kanagawa. Trees, plants and dwarf trees.
Yoshino-yen.—Tokyo. Iris.
Yugen Sekinin Fukoku Yuring Shinyo Kobai Hanbai Kumiai.—Saitama. Lillies.

GROUP 150

SEEDS, BULBS, CUTTINGS AND PLANTS FOR PROPAGATING

Watase, Torajiro.—Tokyo, seeds of ornamental plants. Av. A, cor. 4th St., Pal. of Hort.

NETHERLANDS

Location: Netherlands Gardens in Horticulture Gardens, Blocks 23, 24, 25, 26, 27 and 28

GROUP 144

APPLIANCES AND METHODS OF POMOL- OGY, FLORICULTURE AND ARBORI- CULTURE

Voorneveld, H.—Zeist, Netherlands. Lawn Seats.

GROUP 149

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Horticultural Federation of the Netherlands. Large collective exhibit of trees, shrubs and plants.

NEW ZEALAND

Location: New Zealand Pavilion, Near Presidio Entrance, Opposite French Pavilion

GROUP 144

APPLIANCES AND METHODS OF POMOL- OGY, FLORICULTURE AND ARBORI- CULTURE

Automatic Aerial Irrigation Company, Ltd.—Auckland, New Zealand. Automatic aerial irrigation plant. Conservatory.

GROUP 146

POMOLOGY

Hawke's Bay Fruitgrowers Association.—Hastings. Apples, pears.

Motueka Fruitgrowers' Association—Motueka. Apples.

Tevoit Fruitgrowers' Association.—Roxburgh. Apples.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Thompson & Hills, Ltd.—Auckland. Canned fruits. Agr. Pal. Aves. C. & D. bet. 6th and 8th Sts.

GROUP 148

TREES, SHRUBS, ORNAMENTAL PLANTS AND FLOWERS

Department of Agriculture, Industries & Commerce (New Zealand Government)—Wellington. Plants. Collection of indigenous New Zealand plants.

Moon, G. W.—Coutts, Christchurch. Agr. Pal., bet. Aves. C. & D. & 6th & 8th Sts. Flowers in ice.

PORTUGAL

Location: Pd. Fr. Pal., 5th St., Bet. Aves. A and B

GROUP 149

POMOLOGY

Centro Colonial—Lisbon. Cocoanuts.

Mendonca, Joao Augusto Carreiro de—Ponta Delgada, Azores. Pineapples.

Pereira, Gualberto Paula—Ponta Delgada, Azores. Pineapples.

Provisorio, Antonio de Carmo—Vila Nova do Portimao. Almonds.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Barros, Antonio Judice Magalhaes—Lagos, Algarve. Dried fruits.

Burgos, Limitada, Jose Lopes—Castelo Branco. Olive oil.

Calado & Ca.—Oporto. Olive oil.

Crispim & Galvao—Faro. Dried fruits.

Cruz, Belarmino da—Elvas. Dried and prepared fruits, olives.

Fabrica de Conservas Lusitanas, Lda.—Mato-sinhos. Olives.

Feria, Filhos, Viuva Domingos—Lagoa, Algarve. Dried fruits.

Goncalves, Cesar—Tomar. Fruits canned in tins, olive oil.

Guerra & Irmao, Jose da Conceicao—Elvas. Dried and prepared fruits, olives.

Guimaraes & Goncalves—Belas. Olive oil.

Natividade & Ca.—Alcobaca. Fruits canned in tins.

Prista & Ca., Bernardino Lourenco Pereira—Tomar. Olive oil.

Provisorio, Antonio de Carmo—Vila Nova do Portimao. Dried fruits.

Rosa & Santos, Lda.—Vila Nova de Gaia. Olive oil.

Socero, Joaquim Jose—Tomar. Olive oil.

SIAM

Siam Pavilion, Av. of Nations, Near Canadian Pavilion

GROUP 144

APPLIANCES AND METHODS OF POMOLOGY, FLORICULTURE AND ARBORICULTURE

Province of Bayab.—Flower pots and vases.

SPAIN

Location: Pd. Fr. Pal., Av. B, bet. 1st & 2nd Sts.

GROUP 147

PRESERVED, DRIED AND PICKLED FRUITS

Eipoll Hnos. y Llacer—Valencia. Preserves.



Official Catalogue of Exhibitors

Panama-Pacific International Exposition
San Francisco, California, 1915

CHARLES C. MOORE
President

Director-in-Chief
FREDERICK J. V. SKIFF

Division of Exhibits

ASHER CARTER BAKER, Director

Department L

MINES AND METALLURGY

CHAS. E. VAN BARNEVELD, Chief

Published for the Division of Exhibits by
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PREFACE

By Asher Carter Baker, Director of Exhibits.

A modern, universal exposition is an encyclopedia of man's words and works. It is a collection of the achievements and productivity of man for examination by the International Jury of Awards, and constitutes a compact, classified, indexed compendium of man's activity in all phases, extending from the most material to the most refined products. It is estimated that a million objects are exposed in the various displays installed within the palaces, and in the foreign, state and special pavilions. To properly classify, group and arrange all the exhibits of an exposition of such international scope, is a task of such magnitude that it was impossible to provide a complete catalogue of these exhibits on the opening day of the Exposition.

This revised and complete edition of the official catalogue is therefore presented. In realization of its extraordinary value as a document of general and commercial reference, special care has been given to its preparation, so that it constitutes a full list of the infinite variety of interesting exhibits which are the concrete evidences of the industrial, educational and artistic advancement of the world.

Acknowledgment is hereby offered of the excellent co-operation received in the compilation of this catalogue from the Commissioners-General of participating nations, officers of State Commissions, individual exhibitors, and more particularly the various officers of the Division of Exhibits, as also from the Official Catalogue Company, the publishers of this catalogue.



PALACE OF MINES

MINES AND METALLURGY

Official Catalogue Department L

CLASSIFICATION OF EXHIBITS

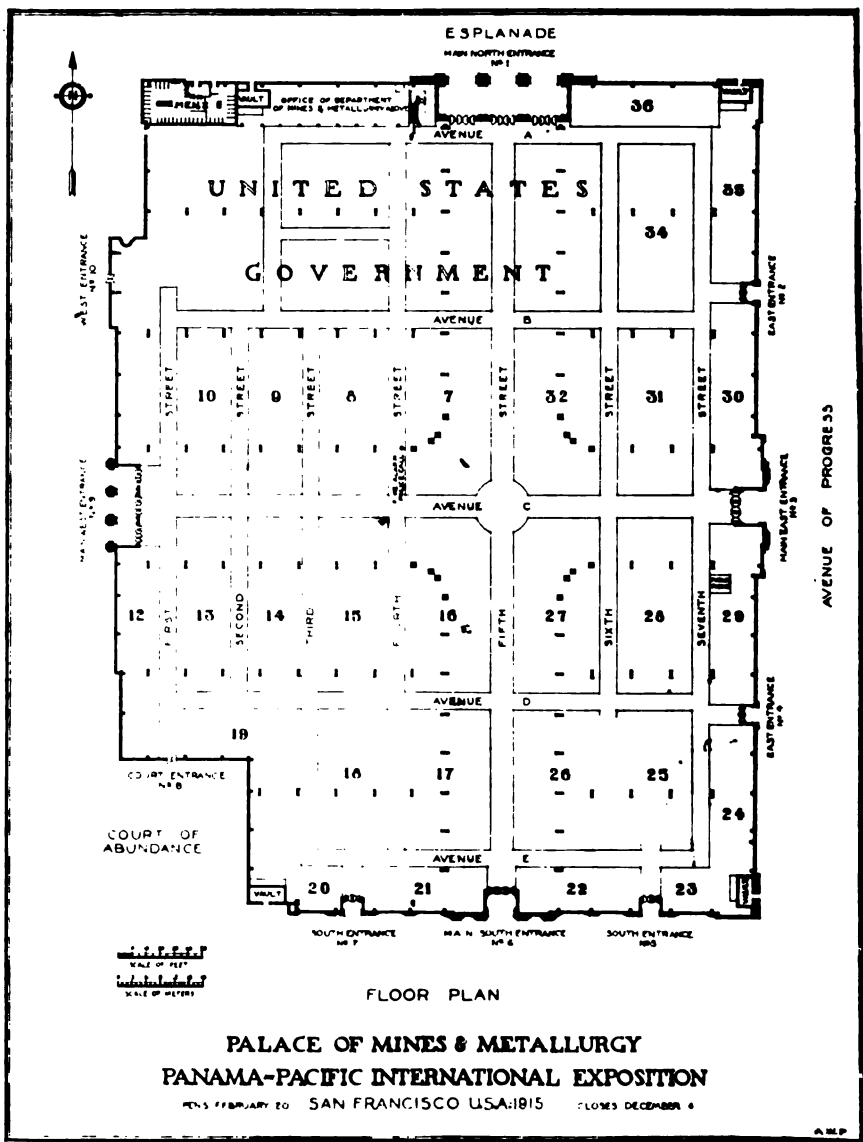
Working of Mines, Ore Beds and Stone Quarries

Minerals and Stones, and Their Utilization

Mine, Metallurgical and Oil Models, Maps, Photographs

Metallurgy

Literature of Mining and Metallurgy



INTRODUCTION

Department of Mines and Metallurgy

BY

CHARLES E. van BARNEVELD

Chief of Department.

The Palace of Mines and Metallurgy is situated at the northeast corner of the main group of Exhibit Palaces, fronting the Marina and flanked by the Avenue of Progress. Its southwest corner adjoins the beautiful Court of Abundance, an architectural gem symbolizing the successive geologic stages of the world's development, the dynamic agencies of earth, air, water and fire. The thought of evolution is strikingly brought out in the embellishment of this building by the spontaneity with which all architectural lines flow into sculptural ornamentation. The Court is wonderfully enriched by the magnificent Brangwyn mural paintings. One of these panels on the southwestern corner of the Palace depicts a group of mediaeval artisans working metals with fire. The Palace is rectangular in form and covers an area of roughly six acres, surmounted by a dome 165 feet in height.

The Department of Mines and Metallurgy deals with the natural mineral resources (metallic, non-metallic and fuels) of the world; their exploration and exploitation; their conversion into metal; their manufacture into structural forms and into raw materials for the various industries.

The object of the Mines and Metallurgical exhibit is two fold. First, to draw attention to the natural mineral resources of each country, state and community so that the public may learn of the mode of occurrence of the minerals and metals of commerce and of their distribution; of the stage of development of the various countries and districts; of present and possible future sources of supply and consumption; of general market and trade conditions in the many industries which are based on the utilization of mineral resources. Second, to educate the public in a general way regarding the details of the numerous subdivisions of this great basic industry, both at home and abroad, in the hope that the hundreds of thousands who will visit the Palace will tarry long enough to grasp the tremendous importance of this industry in the development and settlement not only of the United States but of the World.

The aim of this Department has been to illustrate every mineral of economic importance, not merely by mineralogical and geological specimens, but by com-

plete industrial exhibits which begin with the undeveloped mineral resource, end with the article sold to the retail trade of the country and show, insofar as possible, the intermediate processes of mining, reduction and manufacture.

Especial attention has been given to petroleum and coal, to copper, to lead and zinc, to the precious metals, to the gems and semi-precious stones. The iron and steel industry is shown by the most comprehensive and complete exhibit ever assembled. The rarer minerals and processes for their reduction have received due attention, particularly the radio-active ores.

A co-operative metallurgical exhibit has been arranged where standard metallurgical methods are illustrated on a working scale. An open Metallurgical Forum is conducted by the United States Bureau of Mines. It is expected that this will prove to be a rendezvous for technical men from all parts of the world and that many important problems will be investigated during the life of the Exposition.

Mining methods are illustrated by a novel and most instructive exhibit beneath the floor of the Palace in THE DEMONSTRATION MINE. The leading metal mining companies and coal producers of the United States, and the various manufacturers of machinery and equipment, have joined in a comprehensive exhibit illustrating mine practice. Iron mining on the Iron Ranges of Lake Superior, copper mining in Arizona and Montana, lead-silver mining in Idaho, gold mining in South Dakota; coal mining on the Pacific Coast, in Wyoming, in Pennsylvania and in West Virginia are shown by full size stopes and rooms, together with all the incidental surface and underground equipment—a truly educational exhibit. Other types of mining are fully illustrated in the underground motion picture theatre. Daily demonstrations of mine rescue work will be given.

In short, the exhibits in the Palace of Mines and Metallurgy are truly representative of the important industry which this Department is designed to serve.

HOW TO LOCATE AN EXHIBIT

The Palace of Mines and Metallurgy is laid out in blocks, which are consecutively numbered from 1 to 36, inclusive, as shown on the floor plan. The aisles are designated as streets (First to Seventh), running north to south, and as avenues (A to E), from east to west. To locate an exhibitor refer to the names, alphabetically arranged under the exhibit group to which each belongs in the official classification, and note the aisle location following each name. Street and Avenue signs are erected at their intersection on the corners of all blocks.

The United States Government exhibits, including Bureau of Mines, Geological Survey, United States Mint and United States Postoffice, will be found in the northwest corner of the building.

The Demonstration Mine and the Co-operative Metallurgical Exhibit are situated near the main north entrance on Avenue B and Fifth Street.

Fine Arts Palace.....	Fn. A. Pal.
Education Palace.....	Ed. Pal.
Liberal Arts Palace.....	Lb. A. Pal.
Manufactures Palace.....	Mfr. Pal.
Varied Industries Palace.....	V. I. Pal.
Machinery Palace.....	Mch. Pal.
Transportation Palace.....	Trns. Pal.
Agriculture Palace.....	Agr. Pal.
Food Products Palace.....	Fd. Pr. Pal.
Live Stock Palace.....	Lv. St. Pal.
Horticulture Palace.....	Hor. Pal.
Mines and Metallurgy Palace.....	Min. Pal.

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MINES AND METALLURGY

Official Classification of Exhibits

GROUP 152

WORKING OF MINES, ORE BEDS AND STONE QUARRIES

(Equipment and Processes.)

- Class 743. Equipment and methods of geological surveys, mining bureaus, societies and other institutions for the promotion of mining. Instruments and equipment for surface and underground surveys and examinations in connection with mining.
- Class 744. Equipment and methods of prospecting for mineral veins and deposits, for building stones, coal, petroleum, natural gas, artesian waters, etc.
- Class 745. Equipment and methods for sampling, assaying, analysing or testing ores, metals and other minerals and mineral products.
- Class 746. Equipment and methods for drilling, cutting or otherwise breaking down rock, ore, or other mineral in quarries, open cuts or mines; sinking shafts, opening galleries, drifts or tunnels.
- Class 747. Explosives and methods for storing, handling, thawing, placing and firing the same, in mines, quarries and deep wells; different classes of explosives, and methods and equipment for testing the same.
- Class 748. Equipment for, and methods of mining coal and other minerals, and of timbering or otherwise securing mine shafts, drifts, rooms, stopes, etc., or tunnels, and of preventing surface subsidence over mines.
- Class 749. Electric, compressed air, or other motors, for use in opening and operating mines and quarries, and for operating equipment for handling ores and other minerals. (See Classes 459 and 464.)
- Class 750. Equipment and methods for the underground handling and transportation of ore, coal, etc., including mine cars, haulage engines and rope, and locomotives using compressed air, electricity, gasoline, alcohol, etc. (See Class 460.)
- Class 751. Machinery and appliances for draining mines and quarries. (See Class 462.)
- Class 752. Equipment for and methods of ventilating mines.
- Class 753. Equipment for and methods of lighting mines: oils, acetylene, electricity; safety lamps, testing and cleaning lamps; lamps and other appliances for testing mine gases.
- Class 754. Equipment and methods for mine safety; safety appliances and methods, including signals, mine telephones, etc.; safety devices; methods of preventing dust explosions and other accidents; equipment and devices for fighting mine fires; mine laws, rules and regulations in behalf of safety in mines and quarries.
- Class 755. Equipment and methods for mine rescue work, apparatus for artificial respiration, and other appliances; equipment and methods of resuscitating persons overcome by electric shock or by mine gases; equipment and methods in first aid to the injured in mines; equipment and methods in mine sanitation.
- Class 756. Equipment and methods for handling and weighing mine products at the mine, and for their above-surface transportation; tripplers, screens, picking tables, etc.; railways, tramways, inclined planes, belt conveyors, loose cables, aerial cables, wire rope for mining purposes, trolleys, etc.; appliances for loading and unloading wagons, boats, cars, etc.
- Class 757. Machinery, appliances and methods for working gases or minerals in liquid form or in solution, such as petroleum, natural gas, salt, sulphur, etc.; appliances and methods for capping and plugging gas and oil wells; pipe lines, storage facilities, etc.
- Class 758. Equipment and methods used in quarrying stone and other materials requiring similar operations.
- Class 759. Equipment and methods used in excavation, in open-pit and placer mining; steam shovels, dredges, and hydraulic mining equipment; special methods of storing and conveying water, etc. (See Classes 190 and 406.)

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

- Class 760. Systematic collections in geology, general mineralogy, crystallography and paleontology. Collections illustrating the structure, modes of occurrence and origin of ore deposits, and other mineral deposits, with maps showing their distribution.
- Class 761. Building materials: ornamental and building stones, rough hewn, sawed or polished; stones for highway construction and other purposes.
- Class 762. Mechanical appliances and processes used in cutting, sawing, shaping and polishing marble, granite, slate, and other building stone.
- Class 763. Equipment and processes for crushing, separating, washing or drying rocks, clays and other minerals.

- Class 764.** Building materials: rocks which produce lime or cement. Processes and appliances used in the preparation and utilization of lime, cement and plaster; their products and uses; artificial stone; reinforced concrete.
- Class 765.** Building materials: clays, fuller's earth, kaolin, feldspar, silica, sand and rock, quartz and other substances used in the manufacture of earthenware and of building materials such as brick, paving brick, paving and roof tiles, pipe, terra cotta, glass, etc.; processes of utilization with specimens of their products; brick and tile making machinery. Prepared roofings using mineral base other than asphalt and bitumen.
- Class 766.** Grindstones, whetstones, pumice stones; other natural and artificial mineral abrasives, including carborundum, alundum, etc.; processes of their manufacture and their use.
- Class 767.** Refractory rocks, fire clays and sands. Moulding sands.
- Class 768.** Mica, asbestos, meerschaum, fluorspar, graphite (plumbago), gypsum and other non-metallic minerals; processes of utilization with their products.
- Class 769.** Gems and precious stones; lapidary work; artificial gem materials and their preparation.
- Class 770.** Common salt, nitrates, sulphates, borates, and other natural salts; methods of purification with their products.
- Class 771.** Mineral waters; artesian water conditions; utilization of water.
- Class 772.** Sulphur and pyrite; process of utilization, with their products.
- Class 773.** Mineral and vegetable paints; dye stuffs, pigments, varnishes and fillers; processes of preparation and their products; painting and glazing.
- Class 774.** Mineral fertilizers; natural and artificial sources of nitrogen; potash and phosphates; processes of preparation, with their products.
- Class 775.** Asphalt and asphaltic rocks; mineral bitumen and wax; amber, jet, etc.; processes for obtaining, treating, refining, and utilizing, and their products as used in building materials, roofing and paving.
- Class 776.** Mineral fuels and luminants; peat, lignite, bituminous coal, anthracite; coal dust and compressed coal; petroleum and its products; mineral gases. Equipment for crushing, separating, and washing coal. Equipment and processes for briquetting or otherwise compressing fuels; for preparing coke and by-products; for storing, refining, and handling petroleum and natural gas products.
- Class 777.** Metallic ores of every kind, and products. Native metals. Radium.
- Class 778.** Artificial mineral products, their preparation and use.

GROUP 154

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS

- Class 779.** Maps, charts, photographs, transparencies, and models illustrating geologic and topographical features, their relation to mineral deposits; the structure and mode of occurrence of mineral deposits. Mine models, working plans of mines and of mine transportation systems. Models of metallurgical plants. Maps, photographs, lantern slides, moving pictures, etc., of mining and metallurgical operations, plants, camps, etc.

GROUP 155

METALLURGY

- Class 780.** Equipment, methods and processes used, and products obtained; (a) in the handling of ores, such as hand sorting, conveying, elevating, weighing, sampling, etc.; (b) in the preparation of ores, such as breaking, crushing, pulverizing, grinding, washing, drying, etc.; (c) in the concentration, separation and classification of ores, such as screens and trommels, jigs, sand and slime separators, slime settling and thickening devices, dry vanners, etc.; water classifiers, flotation processes with the aid of oil, gas, etc.; magnetic and electrostatic concentration, decrepitation, briquetting, sintering, etc. (See also Class 460.)
- Class 781.** Equipment, materials, processes, products and by-products concerned in the treatment of the ores of iron for pig iron; equipment for smelting iron ores; blast furnaces and accessories; furnace construction; appliances used in operating furnaces and in handling and utilizing furnace products. Equipment for measuring furnace temperatures. Equipment and methods in the generation and use of gases, the preparation and use of liquid and solid fuels, generation, drying and heating of blast; handling and use of slags; recovery, use of and injuries from dust, fumes, etc. Varieties of pig iron.
- Class 782.** Equipment, methods and products of the manufacture and use of refractory materials for metallurgical purposes (bricks, blocks, crucibles, retorts, etc.)
- Class 783.** Equipment, materials, processes and products concerned in the manufacture of Bessemer, open hearth, crucible and electrically-refined steel; ingots, billets, blooms, slabs, steel castings and other semi-finished material; re-heating furnaces, hammers, presses and rolls used in shaping these. Various processes of manufacturing iron or steel directly from the ores, such as electric smelting and refining, etc.
- Class 784.** Equipment, materials, processes and products concerned in the manufacture of special and alloy steels, including the preparation of manganese, chromium, nickel, vanadium, tungsten and other metals used therein; copper steel.
- Class 785.** Equipment, materials, processes and products concerned in producing wrought iron.

- Harron, Richard & McCone, San Francisco, Cal. Coll. Exh. drilling pumps. Mch. Pal., 4th & 5th Sts., Aves. G & H.
- Hayward, James T., San Francisco, Cal. Exh. Concession, Av. C and 7th St. Gold mine reproduction.
- Hayward, S. F. & Co., New York, N. Y. Av. A & 4th St. Safety mine lamps.
- Hercules Powder Co., San Francisco, Cal. Explosives. Av. B & 7th St. Dynamite; all grades and strengths; blasting powders and blasting supplies; smokeless sporting powder; black sporting powder; earth augers; subsoiling bars; explosives for stump blasting; tree planting.
- Hughes Bros., Scranton, Pa. Av. A & 4th St. Mine lamps.
- Keystone Driller Co., Beaver Falls, Pa. Drilling machinery. Mch. Pal., 4th St., bet. Aves. F & G.
- Lucey Manufacturing Corp., Pittsburg, Pa. Drilling machinery. Mch. Pal., 5th St. & Av. F.
- Luitweller Pumping Engine Co., Rochester, N. Y. Deep well pumps. Mch. Pal., 1st & 2nd Sts. & Av. E.
- National Enameling & Stamping Co., Milwaukee, Wis. Steel oil drums. Mfr. Pal., 8th St. & Av. C.
- National Lamp Works, Cleveland, O. Av. A & 4th St. Mine lamps.
- Pacific Tank & Pipe Co., San Francisco, Cal. Clarifiers. 8th St., bet. Aves. A & B. Sand and slime settling tanks; sump, water, oil and gas tanks; tankage for separating gold and silver; cleaning and refining of ores; zinc shavings and sheets.
- Pelton Waterwheel Co., San Francisco, Cal. Mch. Pal. Waterwheels for mining purposes.
- Rosseler & Haaslacher Chemical Co., The, New York, N. Y. Cyanide. 7th St., bet. Aves. A & B.
- Siebe, Gorman & Co., Ltd., Chicago, Ill. Av. A & 4th St. Mine rescue apparatus.
- Simonds Machinery Co., San Francisco, Cal. Deep well pumps. Mch. Pal., 1st & 2nd Sts. & Av. E.
- Standard Gas Engine Co., San Francisco, Cal. Mine hoists. Mch. Pal., 1st & 2nd Sts., Aves. E & F.
- Star Drilling Machine Co., Akron, O. Drilling machinery. Mch. Pal., 2nd St., Aves. F & G.
- MINING METHODS**
- The Mine Collective Exhibit. Mining Methods and Equipment. Av. B & 5th St.
- American Blower Co., Detroit, Mich. Sir-roco mine fan.
- American Mine Door Co., Canton, Ohio. Mine doors.
- Baldwin Locomotive Works, Philadelphia, Pa. Baldwin-Westinghouse electric mine locomotives, bar steel frames, both trolley and storage battery types, in "The Mine."
- Baltimore Enamel & Novelty Co., New York, N. Y. Signs.
- Bunker Hill & Sullivan Mining & Concentrating Co., Kellogg, Idaho. Lead mine.
- Byron Jackson Iron Works, San Francisco, Cal. Pumps.
- Cyclone Drill Co., Orrville, Ohio. Working exhibit of drill.
- Coast Mfg. & Supply Co., Livermore, Cal. Safety fuse.
- Colorado Fuel & Iron Co., Denver, Colo. Rails.
- Concordia Safety Lamp Co., Pittsburgh, Pa. Also Mfr. Pal. Electric safety lamps for mines.
- Consolidation Coal Co., Fairmont, W. Va. Mine room of coal.
- Copper Queen Consolidated Mining Co., Globe, Ariz. Copper mine room.
- Denver Engineering Works, Denver, Colo. Single drum electric hoist and parts.
- Denver Rock Drill Mfg. Co., Denver, Colo. M. A. Peterson, Dist. Mgr., 225 Rialto Bldg., San Francisco, Cal. Mining drills and accessories.
- Draeger Oxygen Apparatus Co., Pittsburg, Pa. Rescue apparatus.
- Dunham, Carrigan & Hayden Co., San Francisco, Cal. Wheelbarrows, picks, shovels.
- Ensign-Bickford Co., Simsbury, Conn. Safety fuse.
- Fairmont Mining Machinery Co., Fairmont, W. Va. "Fairmont" steel ties for mine tracks; portable electric mine pumps; rotary box car loader model; railroad car retarder model; coal mine equipment and supplies.
- Goldfield Consolidated Mines Co., Goldfield, Nev. Gold quartz mine stope.
- General Machinery & Supply Co., San Francisco, Cal. Compound air compressor and air pipe.
- Goodyear Tire & Rubber Co., Akron, Ohio. Air and water hose.
- Gould Mfg. Co., San Francisco, Cal. New deluge electric ditch pump.
- Hendric & Bolthoff Manufacturing & Supply Co., Denver, Colo. Leadville drill column hoist.
- Hockensmith Wheel & Mine Car Co., Penn Station, Pa. Coal mine cars.
- Homestake Mining Co., Lead, S. D. Gold mine room.
- Ingersoll-Rand Co., New York, N. Y. Drills, bar hoist, drill sharpener, forge.
- Jeffry Manufacturing Co., Columbus, Ohio. Coal mining machine and trucks.
- Joshua Hendy Iron Works, San Francisco, Cal. Safety mine cage.
- Jones & Laughlin Steel Co., Pittsburgh, Pa. Lincoln Iron Mine, Virginia, Minn.
- Koehler Mfg. Co., Marlboro, Mass. Safety lamps, special lighting and blasting equipment. Manufacturers of miners' safety lamps, igniters, accessories and blasting machines. The lamp has met with the full approval of the Bureau of Mines, and they are now using "Koehler's" in their "mine rescue work." General sales agents Mine Safety Appliances Co., 541 Fourth Av., Pittsburg, Pa. "Koehlers for coalers."
- Lehigh Coal & Nav. Co., Lansford, Pa. Anthracite coal mine.
- Life Saving Devices Co., Chicago, Ill. Artificial respiratory apparatus.
- Linde Air Products Co., New York, N. Y. Oxygen for rescue demonstrations.
- Mine Safety Appliances Co., Pittsburgh, Pa. Artificial respiratory apparatus.
- North American Construction Co., Bay City, Mich. Miners cottage. In oil camp.
- Pacific Coast Coal Co., Seattle, Wash. Bituminous coal mine.

- Pac. Portable Cons. Co., Inc., Los Angeles, Cal.** Portable house in oil camp.
- Pocahontas Fuel Co., New York, N. Y.** Naval and steaming coal mine.
- Public Health Service, Washington, D. C.** Surgical equipment and attendants.
- Pyrene Mfg. Co., New York, N. Y.** Fire extinguishers.
- Sullivan Machinery Co., Spokane, Wash.** The Mine, Post puncher for mining pitching coal.
- Simmonds Co., John, New York, N. Y.** Car-bide cap and hand lamps.
- Southern Wyoming Mine Operators Assn., Cheyenne, Wyo.** Rocky Mountain coal mine.
- Superior Oxygen Co., Pittsburgh, Pa.** Oxygen.
- Weir Frog & Switch Co., Cincinnati, Ohio.** Frogs and switches.
- Westinghouse Electric Mfg. Co., Pittsburgh, Pa.** Baldwin-Westinghouse electric mine locomotives, bar steel frames, both trolley and storage battery types, in "The Mine," Mine locomotive motor, Trns. Pal., under Dome.
- Western Electric Co., New York, N. Y.** Mine telephone system.
- White Co., The, Cleveland, Ohio.** Mine rescue truck.
- U. S. Geo. Survey, Washington, D. C.** Equipment and survey methods. Av. B.
- U. S. Steel Corporation & Subsidiary Cos., New York, N. Y.** Collective iron, steel and coal exhibit. Av. D.
- American Bridge Co., Pittsburg, Pa.** Model of coal barge.
- American Steel & Wire Co., Chicago, Ill.** Track and tramway cables.
- Bunsen Coal Co., Pittsburg, Pa.** Safety and rescue Ex.
- Carnegie Steel Co., Pittsburg, Pa.** Mining and drilling equipment.
- National Tube Co., Pittsburg, Pa.** Oil well pipe and casing.
- H. C. Frick Co., Pittsburg, Pa.** Safety and rescue Ex.
- Oliver Iron Mining Co., Duluth, Minn.** Safety and rescue Ex.
- Tenn. Coal, Iron & R. R. Co., Birmingham.** Safety and rescue Ex.
- U. S. Coal & Coke Co., Pittsburg, Pa.** Safety and rescue Ex.
- Weber Subterranean Pump Co., New York, N. Y.** Mine and artesian well pumps. Mch. Pal., 1st St. & Av. C2.
- Western Gas Engine Corp., Los Angeles, Cal.** Mch. Pal., Av. G & 1st St. Gas engines.
- Witherbee Igniter Co., Springfield, Mass.** Av. A & 4th St. Elec. mine lamps.
- Wolf Safety Lamp Co. of America, Inc., New York, N. Y.** Av. A & 9th St. Miners' safety and carbide lamps.
- GROUP 153
- MINERALS AND STONES AND THEIR UTILIZATION**
- Alaska Garnet Mining & Mfg. Co., Minneapolis, Minn.** V. I. Garnets, rough and polished.
- Am. Portland Stone & Granite Co., Oakland.** 7th St., bet. Aves. B and C. Artificial stone.
- Anaconda Copper Mining Co., Anaconda, Mont.** Minerals, ores. Av. B, bet. 5th & 6th Sts.
- Andrew & Co., Ltd., Sheffield, Eng.** Rock drills. Mch. Pal., 4th St., bet. Aves. G & G2.
- Arlington Co., The, New York, N. Y.** Pal. V. I., cor. Av. B & 3rd St. Pyralin lacquers and paints.
- Asbestos Protected Metal Co., Beaver Falls, Pa.** Comb. Exh. Av. A and 4th St. Roofing, asbestos, smoke house, radium booth.
- Barber Asphalt Paving Co., Philadelphia, Pa.** Roofing materials. Mch. Pal., 5th St. & Av. I. Parrott & Co., San Francisco, Cal., Representatives. See ad. on front cover of Machinery catalog.
- Barrett Mfg. Co., New York, N. Y.** Coal tar products. 7th St., bet. Aves. O & D.
- Benzol Products Co., Philadelphia, Pa.** Comb. Ex. Av. D & 7th St. Benzol products.
- Cedar Bluffs Marble Co., Knoxville, Tenn.** Av. A & 5th St. Polished marble.
- Ceresit Waterproofing Co., Chicago, Ill.** Waterproofing products. Mch. Pal., 5th St. & Av. I. Cement waterproofing and damp-proof products for factories, residences, reservoirs, etc. Ceresit Floor Hardener for hard and dustless concrete floors. Weather wear, storm-proof roof coat.
- Diston, Henry & Sons, Inc., Philadelphia, Pa.** Saws. Mfr. Pal., Av. C, cor. 8th St.
- Evans Marble Co., Knoxville, Tenn.** Av. A & 5th St. Polished marble.
- Foots Mfg. Co., Nunda, N. Y.** Mch. Pal., 4th & 5th Sts., bet. C & C2. Concrete mixers and equipment.
- Freeport Sulphur Co., Freeport, Texas.** Av. C & 4th St. Crude sulphur.
- Fulper Pottery Works, Flemington, N. J.** V. I. Pal. Ceramics.
- Gladning McBean & Co., San Francisco, Cal.** V. I. Brick and tile.
- General Electric Co., Schenectady, N. Y.** Mfr. Pal. "Home Electrical." Artificial Sapphires, Tungsten Ore and Products, Molybdenum.
- Grabo, E. O., Machine Works, New York, N. Y.** Mfr. Pal. General Electric Co. "Home Electrical." Electric grindstones.
- Gray Eagle Marble Co., Knoxville, Tenn.** Av. A & 5th St. Polished marble.
- Hill & Worsick, Lovelock.** Wonderstone, for Mosaics, Tiling, Wainscoting, Marbles and all decorative work, any size and quantity, two miles from S. P. R. R.
- Hueter Co., E. L., San Francisco, Cal.** Agr. Pal. Paints and gums.
- Hydraulic Pressed Brick Co., Brasil, Ind.** Av. B & 6th St. Brick.
- International Acheson Graphite Co., Niagara Falls, N. Y.** Graphite. Mch. Pal., 3rd & 4th Sts., Av. C2.
- Jaeger Machine Co., Columbus, O.** Mch. Pal., 4th & 5th Sts., bet. Aves. C & C2. Artificial stone and cement.
- Joseph Dixon Crucible Co., Jersey City, N. J.** Av. C & 5th St. Graphite ore; mill products.
- Keystone Varnish Co., Brooklyn, N. Y.** V. I. Pal., Av. A & 4th St. "Keystone" paint.
- Klein, Philip, San Francisco, Cal.** 7th St., bet. Aves. B & C. Cameos, gems, rough and cut.
- Koshring Machine Co., Milwaukee, Wis.** Mch. Pal. Concrete mixers and conveyors.

- Koppers Co., H.** Model coke ovens. Collective Exhibit. Av. D.
- Lambia, F. D.,** New York, N. Y. Mch. Pal. Steel forms.
- Los Angeles Pressed Brick Co.,** Los Angeles. V. I. Pal. and Mines. Pressed brick.
- Low-Tausig-Karpales Co.,** Providence, R. I. V. I. Pal. Artificial gems.
- MacLeod Co., The,** Cincinnati, O. Paint spreading machines. 1st St. & Av. I, Mch. Pal.
- National Enameling & Stamping Co.,** Milwaukee, Wis. Steel oil drums. Mfr., 8th St. & Av. C.
- National Canners Association.** Hort. Pal. 1st & 2nd Sts., & Aves. B & D.
- Ohio Varnish Co.,** Cleveland, O. Lib. Arts Pal. Paints. "Chi-Namel."
- Oriental Emery Co.,** New Haven, Conn. V. I. Pal. Emery paper and cloth.
- Pacific Refining & Roofing Co.,** San Francisco, Cal. Av. A and 7th St. Prepared roofing, plain and ornamental; cyanide preservatives; paint for concrete.
- Pan-Pac. Clay Products Assn.,** Chicago, Ill. Cor. Av. States and Av. of Nations. Brick house.
- California Brick Co.,** San Francisco, Cal. Pressed vitrified paving block.
- Clark & Sons, N.,** San Francisco, Cal. Pressed brick.
- Diamond Brick Co.,** San Francisco, Cal. Red brick.
- Pacific Porcelain Ware Co.,** San Francisco, Cal. Lavatory fixtures.
- Pacific Sanitary Mfg. Co.,** San Francisco, Cal. Porcelain enameled bath tub.
- Steiger Terra Cotta & Pottery Works,** San Francisco, Cal. "Firok" tile, hearth tile.
- Paraffine Paint Co., The,** San Francisco, Cal. Ready roofing. Min. Pal., 7th St., cor. Av. C. Plastic caulking cement. Wall board, asbestos roofing, building and roofing papers, refined asphaltum, preservative paints, roofing paints, cement and damp-proof paints, cement waterproofing compound. Enamels for iron and steel. Gen. Offices: 34 First St., San Francisco, Cal.
- Parrott & Co.,** San Francisco, Cal. Cement waterproofing. Mch. Pal. 4th & 5th Sts., Av. I.
- Patent Vulcanite Roofing Co.,** Chicago, Ill. Comb. Exh. Av. A and 7th St. Prepared vulcanite roofing.
- Redwood Manufacturers Co.,** San Francisco, Cal. Farm Equipment. Block 3th, Mch. Pal. 15,000-gallon "Remco" redwood tank in operation. "Remco" machine-banded redwood stave pipe in operation. Miniature "Remco" redwood tank and tower, sections of "Remco" pipe, machine-banded and continuous stave.
- Round Mountain Mining Co.,** Round Mountain, Nev. Gold ores, country rocks, ores and nuggets. Av. B, bet. 2nd & 3rd Sts. Maps, geological sections, photographs relative to geology, mineralogy, quarrying, mining metallurgy, and the manipulation of mineral products.
- San Francisco Pioneer Varnish Works,** San Francisco, Cal. Agr. Pal. Varnishes and gums.
- Sarsl, O. S.,** San Francisco. Av. B and 6th St. Concrete in finished ornamental forms.
- Smith Co., T. L.,** Milwaukee, Wis. Concrete mixers. Mch. Pal. Parrott & Co., San Francisco, Cal., representatives. See ad. on front cover of Machinery Catalogue.
- Standard Oil Co. of California.** Asphaltum products. Av. C, bet. 6th & 7th Sts. Asphaltum, road oil, cement, fuel oils, illuminating oils, gas oils, lubricating greases, gasoline, lubricating oils, floor oil, liquid gloss.
- Standard Oil Co. of Indiana.** Wax. Av. C, bet. 6th & 7th Sts. Paraffine wax, petroleum by-products. Comb. Ex.
- Standard Varnish Works,** Chicago, New York. London. Min. Pal. Av. C, bet. 2nd & 3rd Sts. Largest makers of high-grade varnishes in the world. 113 Front St., San Francisco, Cal.
- Sturtevant Mill Co.,** Boston, Mass. Manufacturers: Crushing rolls, pulverizers, screens, automatic scales, laboratory ore sampling machinery. Harron, Rickard & McCone, San Francisco, representatives.
- Tennessee Marble Co.,** Knoxville, Tenn. Av. A & 5th St. Polished marble.
- Thermos Co., Inc.,** The, San Francisco, Cal. Mfr. Pal., 6th St., bet. Aves. C & D. Brick.
- Tiffany & Co.,** New York, N. Y. Comb. Exh. Aves. B and C. Collection precious and semi-precious gems and stones, in matrix and polished.
- Transvaal Chamber of Mines,** Johannesburg, South Africa. Av. C and 5th St. Obelisk, world's gold output 1913. Specimens.
- The Mine Collective Exhibit.** Mining Methods and Equipment. Av. B & 5th St.
- Asbestos Protected Metal Co.,** Beaver Falls, Pa. Building material.
- Consolidation Coal Co.,** Fairmont, W. Va. Coal. "The Mine" & Av. C.
- Fuller & Co.,** W. P., San Francisco, Cal. Glass.
- Gulf Refining Co.,** Pittsburg, Pa. Oil and gasoline for auto truck.
- Homestake Mining Co.,** Lead, S. D. Mineral collection.
- Riverside Portland Cement Co.,** Los Angeles, Cal. Riverside cement.
- Union Oil Company of California,** San Francisco, Cal. Producers and refiners. Min. Pal. 6th St. & Av. B. Exhibit of fuel and lubricants in Mch. Pal. Cycloramic scenic display of California oil industry; collection in geology; asphalt for paving, asphalt for highway construction, asphalt for roofing, asphalt for coating pipes, asphalt for coating building paper, asphalt for insulating, asphalt for waterproofing, asphalt for joint fitting, asphalt for saturating, asphalt for printer's ink, asphalt for lacquers, asphalt for rubber substitute, asphalt for coating patent leather; complete line refined petroleum products.
- Universal Crusher Co.,** Cedar Rapids, Ia. Mch. Pal. 4th & 5th Sts., bet. Aves. C & C2. Rock and stone crushers.
- U. S. Geological Survey,** Washington, D. C. Av. A and 3rd St. Systematic collection of ores and country rock, per capita production 1913.
- U. S. Gutta Percha Paint Co.,** Providence, R. I. Hort. Pal. Aves. B and D, bet. 1st and 2nd Sts. Inside paint for fixtures.
- U. S. Steel Corp. & Subsidiary Cos.,** New York. Collective iron, coal and coke exhibit. Av. D.

Carnegie Steel Co., Pittsburgh. Fur. coal and coke by-products.
 Illinois Steel Co., Chicago. Fur. coal and coke by-products.
 H. C. Frick Coke Co., Pittsburgh. Coal and coke.
 H. Koppers Co. Model coke ovens.
 Universal Portland Cement Co., Chicago. Cement products.
 Vacuum Oil Co., Olean, N. Y. V. I. Pal. Lubricating oils.
 Valentins & Co., New York. Valspar varnish. (Com. Exhibit). Min. Pal.
 Vermont Marble Co., Proctor, Vt. Marble for building purposes. V. I., Av. E & 2nd St.
 Victoria Marble Co., Knoxville, Tenn. Av. A & 5th St. Polished marble.
 Ward & Son, Fred, San Francisco, Cal. Mch. Pal. Carborundum.
 Warren Chemical & Mfg. Co., New York, N. Y. Av. D & 7th St. Asphalt, cements.
 Weeks-Howe-Emerson Co., San Francisco, Cal. Mfr. Pal. Nets and twine; ship chandlers.
 Wolverine Lubricants Co. Oils. (Com. Exhibit). Min. Pal.

GROUP 154

MINE MODELS, MAPS, PHOTOGRAPHS

Anaconda Copper Mfg. Co., Anaconda, Mont. Maps, photos. Av. B, bet. 5th & 6th St.
 Co-operative Metallurgical Exhibit, U. S. Bureau of Mines, and following companies.
 Bureau of Mines, San Francisco, Cal. Charts and photos metallurgical processes.
 Portland Gold Mining Co., Colorado Springs, Colo. Model sampling mill.
 U. S. Smelting & Refining Co., Boston, Mass. Model baghouse.
 Western Precipitation Co., Los Angeles, Cal. Model electric precipitation apparatus.
 Pacific Tank & Pipe Co., San Francisco, Cal. Wood stave pipe. 6th St., bet. Aves. A & B.
 Radium Institute, The, Denver, Colo. Coll. Exh. 5th St., bet. Aves. A and B. Motion pictures of concentration, separation and refining of radium.
 Schuyler, F. B., Berkeley, Cal. Gem Mine reproduction. Av. A & 7th St.
 Transvaal Chamber of Mines, South Africa. Specimens, photographs. Av. C & 5th St.
 The Mine Collective Exhibit. Mining Methods and Equipment. Av. B & 5th St.
 Bucyrus Co., So. Milwaukee, Wis. Motion pictures of mining with steam shovels.
 Bunker Hill & Sullivan Mining Co., Kellogg, Idaho. Maps.
 Consolidation Coal Co., Fairmont, W. Va. Photos.
 Hercules Powder Co., Wilmington, Del. Motion pictures of quarrying.
 Homestake Mining Co., Lead, S. D. Photos.
 Indiana Limestone Quarrymen's Assn., Bedford and Bloomington, Ind. Motion pictures quarrying and cutting limestone.
 Lehigh Coal & Nav. Co., Lansford, Pa. Photos, maps.
 Nevada Consolidated Copper Co., New York, N. Y. Motion pictures copper mining.
 Nicholas Power Co., New York, N. Y. Powers No. 6A cameragraph.

Utah Copper Co., Salt Lake City, Utah. Motion pictures of copper mining.

U. S. Geological Survey, Washington, D. C. Charts, photos, maps. Av. B.

U. S. Steel Corp'n. & Subsidiary Cos., New York. Collective iron, steel and coal exhibit. Av. D.

Carnegie Steel Co., Pittsburgh. Models and photos of steel manufacture.

H. C. Frick Coke Co., Pittsburgh. Models and photos, coal mining.

H. Koppers Co. Model coke ovens.

Illinois Steel Co., Chicago. Photos, steel manufacture.

Oliver Iron Mining Co., Duluth. Models and iron-mining exhibit.

Pittsburgh & Conneaut Dock Co., Conneaut. Models and photos, ore handling.

GROUP 155

METALLURGY

American Rolling Mill Co., Middletown, O. Min. Pal. 7th St., bet. Aves. C and D. Rust-Resisting Armco Pure Iron Roofing, Metal Lath, Terne Plate and Formed Products.

Am. Smelting & Refining Co., Boston, Mass. Av. B & 5th St. Copper, lead, silver.

Anaconda Copper Mfg. Co., Anaconda, Mont. Copper metals. Av. B, bet. 5th & 6th Sts.

Armco Iron Culvert Mfrs. Assn., Middletown, O. Culverts. Min. Pal., Av. C & 7th St. Corrugated Armco iron culverts, automatic flood gates, pressure head gates, irrigation gates, Lennon metal flumes.

Boisclair Electric Co., New York, N. Y. Comb. Ex. Av. B & 7th St. Electro-plating machine.

Cambria Steel Co., Philadelphia, Pa. Processes and Products of Refining Ore. Trns. Pal. 3rd St. and Court of Honor Boulevard. Wall Panels of Toe Calks, Washers, Cotton Tie Buckles, Links, Pins, Hooks and Forging Blanks; Slick Concrete Reinforcing Bars and Splicing Clamps; Wire Products, Nails, Wire, Bale Ties, Etc.

Central Iron & Coal Co., New York, N. Y. Mch. Pal. Pig iron and coke.

Chapman Smelting Co., San Francisco, Cal. Av. C & 4th St. Antimony ore and refined.

Collins Interlocking Steel Studding Co., San Francisco, Cal. Mch. Pal., 4th St. & Av. I. Steel studding.

Co-operative Metallurgical Exhibit, U. S. Bureau of Mines, and following companies.

Bristol Company, The, Waterbury, Conn. Also Mch. Pal., 2nd St., cor. Av. D. Electric recording pyrometers and furnaces with automatic temperature regulators.

Bureau of Mines, San Francisco, Cal. F. & H. cooling and gas washing towers; apparatus Thiogen process.

Dorr Cyanide Machinery Co., New York, N. Y. Classifier, thickener and agitator.

Electric Heating Apparatus Co., New York, N. Y. Hot plates and crucible furnace.

Englehard, Chas. & Co., Rochester, N. Y. Pyrometers.

Guernsey & Co., San Francisco, Cal. Am. Blower Co. exhauster.

Hardinge Conical Mill Co., New York, N. Y. Conical mill.

- Merrill Metallurgical Co., San Francisco, Cal. Mining equip. Merrill auto. sluicing slime and clarifying filters; zinc dust precipitation.
- Taylor Instrument Co., Rochester, N. Y. Thermometers and pyrometers.
- Wedge, Utley, New York, N. Y. Mechanical roasting furnace.
- Witt, G. E., San Francisco, Cal. Pressure reducing valve.
- David Co., P., San Francisco, Cal. Mfr. Pal. Av. A. and Court of Honor. Iron Castings of every description. Some may be seen in P. David Company Exhibit.
- Davis-Bourneville Co., Jersey City, N. J. V. I. Oxy-acetylene cutting and welding.
- Dibart, L. C. Co., Oakland, Cal. Av. C & 8th St. Dry concentrator.
- Dodge Manufacturing Co., Mishawaka, Ind. Screens, power-driven.
- Eastern Mch. Company, New Haven, Conn. V. I. Pal. Cinder crusher.
- Fairbanks, Morse Co., Chicago, Ill. Av. B and 6th St. Weighing scales operating exh.
- Fuller, W. P. & Co., San Francisco, Cal. Av. C & Third St. Operating lead mill.
- General Electric Co., Schenectady, N. Y. Trs. Pal., Av. C, cor. 2nd St. Electric Air Compressors, Arc Welding Outfits. Mfr. Pal. "Home Electrical." Tungsten Products and Tubes, Exhibits of Electrolytic Iron, Large Iron Crystals, Alumina Wire Drawing Dies, Cast-in Heating Units, Aluminum Coated Copper and Iron Wire, Boronized Copper, Application of Coolidge X-Ray Tube to Metallurgical Processes, Calorized Tubes and Materials, Binel Metal Sheets and Rods.
- General Electric Co., Schenectady, N. Y. Electric air compressors.
- Great Western Outfitter & Welding Co., S. F., Cal. Mch. Pal. Cutting and welding.
- Goldschmidt Thermit Co., New York City, N. Y. Av. A and 5th St. Carbonfree metals and alloys manufactured by Thermit Process.
- Henderson Willis Co., St. Louis, Mo. Welding equipment. Mch. Pal. 2nd St. & Av. F.
- Industrial Instrument Co., Foxboro, Mass. Recording pyrometers. Mch. Pal. 3rd St. & Av. C2.
- Int'l Acheson Graphite Co., Niagara Falls, N. Y. Mch. Pal. 3rd & 4th Sts., Av. C2.
- Jahnke Welding & Mfg. Co., San Francisco, Cal. Welding Equipment. Mch. Pal. South Entrance.
- Kelley Filter Press, Salt Lake City, Utah. Mch. Pal. Filter press.
- Krogh Mfg. Co., San Francisco, Cal. Mch. Pal. 3rd St., Aves. H & I. Slime Pumps.
- Lambie Steel Form Company, New York, N. Y. Builders' materials. Mch. Pal., 1st St. & Av. D. Lambie's interchangeable steel forms for concrete houses and buildings, basic patents all over the world. One complete story at one case. 289 Broadway, New York office.
- Macleod Co., The, Cincinnati, O. Welding equipment. Mch. Pal., 1st St. & Av. I. Oil furnaces.
- Malleable Iron Fittings Co., Branford, Conn. V. I. Pal., Av. B & 2nd St. Miscellaneous castings.
- Marland, W. J., Oakland, Cal. Coll. Exh. Interchangeable steel moulds. Mch. Pal., 1st St. & Av. D.
- Maryland Steel Co., Sparrow's Point, Md. Railroad Supplies. Trns. Pal. Steel Products; Mayari Nickel Chrome Steel. See Exhibit in Transportation Palace, S. 1st St.
- National Lamp Works, Cleveland, O. Comb. Exh. Av. A and 4th St. Molybdenum ingot rod and wire.
- National Smelting & Stamping Co., St. Louis, Mo. Av. C & 6th St.
- Ohio Varnish Company, The, Factory, Cleveland, Ohio. Lib. Arts Pal., 9th St., bet. Aves. C & D. Varnish and Varnish Stain, made of specially refined Chinese Oil graining system, for amateur and professional finishers, Automobile Finishes, clear and colored; rich in Chinese Oil; White Enamels, that never turn yellow; never show brush marks; Dull Wall Enamel, washable, non fading. Branch House, 1053 Mission St., San Francisco.
- Parrott & Co., San Francisco, Cal. Mch. Pal. 4th and 5th Sts. and Av. I. Coll. Exh.
- Pacific Tank & Pipe Co., San Francisco, Cal. Av. A and 7th St. Classifiers; sand and slime settling tanks; sump, water, oil and gas tanks; tankage for separating gold and silver; cleaning and refining of ores; zinc shavings and sheets.
- Paraffine Paint Co., San Francisco, Cal. Av. B and 7th St. Enamels for iron and steel.
- Pennsylvania Steel Co., The, Steelton, Pa. Railroad Supplies. Trns. Pal. Steel Products; Mayari Nickel Chrome Steel; Steel Castings. See Exhibit in Transportation Palace, S. 1st St.
- Primos Chemical Co., Primos, Pa. Coll. Exh. Av. A and 4th St. Molybdenum, vanadium, tungsten.
- Seeborn & Dieckstahl, Sheffield, Eng. Av. G2, bet. 3rd & 4th Sts. Tool alloy steel.
- Senn Concentrator Co., San Francisco, Cal. Av. A & 7th St. Pan motion concentrator.
- Shore Instrument & Mfg. Co., New York, N. Y. Mch. Pal. Scleroscope; enamelite.
- Standard Underground Cable Co., Pittsburgh, Pa. Mch. Pal. Av. D and 3rd St. Copper wire ingots.
- Straub Mfg. Co., Oakland, Cal. Av. C & 6th St. Rotary stamp mill.
- Trent Engineering Co., L. C., Los Angeles, Cal. 7th St., bet. Aves. A and B. Cyanide and amalgamating machinery.
- U. S. Bureau of Mints and Engraving, Washington, D. C. Av. B and 1st St. Operating mint exhibit.
- U. S. Steel Corp. & Subsidiary Cos., New York. Collective iron, steel and coal exhibit. Av. D.
- Am. Bridge Co., Pittsburgh. Steel bridges and buildings.
- Am. Steel & Wire Co., Chicago. Wire reinforcing material.
- Am. Sheet & Tin Plate Co., Pittsburgh. Sheets and tin plates.
- Carnegie Steel Co., Pittsburgh. Raw steel and rolled products.
- Illinois Steel Co., Chicago. Steel and finished rolled products.
- Lorain Steel Co., Johnstown, Pa. Electric track welding.
- National Tube Co., Pittsburgh. Pipes and tubes.
- Tenn. Coal, Iron & R. R. Co., Birmingham. Steel rails.
- Tinius-Olsen Testing Machine Co. Testing machinery.
- Westinghouse Electric & Mfg. Co., Pittsburgh, Pa. Electric welding display. Machinery Palace. 3rd St. & Av. C.

GROUP 156

LITERATURE OF MINING AND METALLURGY

- General Electric Co., Schenectady, N. Y., Mfr. Pal. "Home Electrical." Literature on Coolidge X-Ray tube applications.

Kunz, Geo. F., New York, N. Y. Comb. Exh. 5th St., bet. Avs. A and B. Literature on precious stones.

Los Angeles Chamber Mines & Oil, Los Angeles, Cal. Av. A & 5th St. Publications on oil.

Metallurgical & Chemical Engineering, New York, N. Y. (Monthly). Mch. Pal. 2nd St. and Av. C. Engineering Publication.

The Mine Collective Exhibit. Mining Methods and Equipment. Av. B & 5th St. Lit-

erature and descriptive catalogs of contributing companies.

Coal Age and Engineering and Mining Journal, New York, N. Y. Technical journals. **Mining Press, San Francisco, Cal.** Technical journals and books.

U. S. Bureau of Mines, 5th St., bet. Avs. A and B. Charts and diagrams illustrating iron, copper, zinc and lead smelting operations; U. S. Bureau of Mines publications.

STATES DEPARTMENT

CALIFORNIA

Location: Av. C, bet. 5th & 6th Sts.

GROUP 153

MINERALS AND STONES AND THEIR UTILIZATION

Alameda County. Pyrophyllite, marble, limestone.

Alberhill Coal & Clay Co., Riverside County. Clay products.

Ash Creek Mining Co., Siskiyou County. Gold ore.

Awawatz Salt & Gypsum Co., San Bernardino County. Salines and salt; gypsum; celestite.

Blue Lead Mining Co., Siskiyou County. Copper ore.

Bly Bros. & McGillard Stone Co., Los Angeles County. Granite.

Bolton, A. L., Mono County. Greenockite specimens.

Bonanza King Mining Co., Trinity County. Gold specimens.

Burke, Mrs. N., Siskiyou County. Gold ore.

Bushwell Paint Co., Alameda County. Paints.

California Paint Co., Alameda County. Paints.

California State Mining Bureau. Asbestos, silver, gold, copper and other minerals.

California Portland Cement Co., San Bernardino County. Cement.

Central Eureka Mining Co., Amador County. Gold specimens.

Coalson & Traah, Siskiyou County. Gold quartz.

Collins, Sam, Amador County. Gold specimens.

Columbia Stone Co., San Francisco. Marble.

Crawley Mining Co., Siskiyou County. Gold quartz.

Cub Bear Mining Co., Siskiyou County. Gold quartz.

Eliza Group Mining Co., Siskiyou County. Gold quartz.

Evening Star Mining Co., Shasta County. Gold specimens.

Freemont Cons. Mining Co., Amador County. Gold specimens.

Garlick, W. H., Los Angeles County. Gold specimens.

Gerken, Geo. H., Mariposa County. Gold specimens.

Green Mountain Mining Co., Calaveras County. Quartz crystal.

Gray Eagle Cons. Engineering Co., Siskiyou County. Copper ore.

Grotsfend, Fred., Shasta County. Drill cores.

Hazel Gold Mining Co., Shasta County. Gold specimens.

Henshaw, E. D., Siskiyou County. Gold quartz.

Hogan & Blake, Siskiyou County. Gold quartz.

Hunter, J. A., Siskiyou County. Gold quartz.

Hutchinson Company, Alameda County. Stone for highway construction.

Hyrick, F. M., San Bernardino County. Gems and precious stones.

Kessler Quarry, San Luis Obispo County. Onyx marble.

Kern County. Building stone, gypsum, gold, antimony, iron and other minerals.

Long Beach Salt Company, Los Angeles. Salt.

Los Angeles County. Diatomaceous earth, building stone and other minerals.

Los Angeles Pressed Brick Company, Los Angeles County. Brick.

San Bernardino County. Marble, gems and precious stones, gold, iron, lead, silver, tungsten, paints and other minerals, graphite.

San Diego County. Nickel, gems, building stone.

Santa Barbara County. Diatomaceous earth.

Santa Clara County. Quicksilver, limestone.

Sarter, H. J., Siskiyou County. Tufa.

Schuyler, F. B., Alameda County. Gold specimens.

Seymour & Grant Hill, El Dorado County. Gold specimens.

Shasta County. Asbestos, gypsum, marble, copper, gold, lead and other minerals.

Shasta Mineral Springs Co., Siskiyou County. Mineral water.

Siskiyou County. Gold specimens, silver, gems, building stones.

Solano County. Stone for highway construction.

South Eureka Mining Company, El Dorado County. Gold specimens.

Spring Gulch Tunnel Co., Siskiyou County. Gold specimens.

Straub Mfg. Co., Alameda County. Ten-stamp rotary mill.

Table Rock Mineral Springs Co., Siskiyou County. Mineral water.

Trinity County. Platinum.

Union Iron Works, San Francisco. Iron giants.

Upper Soda Springs Co., Siskiyou County. Mineral water.
 Van Bokkelen, W. A., Amador County. Gold specimens.
 Ventura County. Marble, gypsum, gems and limestone.
 Mad Mule Mining Corp., Shasta County. Gold specimens.
 Malone Mining Co., Calaveras County. Gold specimens.
 Mammoth Copper Mining Co., Shasta County. Copper ores.
 Mattern, John, Siskiyou County. Gold specimens.
 Mentzner, C. I., Mariposa County. Gold specimens.
 Millar-Farish & Co., San Francisco. Equipment and methods for assaying.
 Monterey County. Natural asphalt, natural and refined salt.
 Mountain Copper Co., Shasta County. Stalactites.
 Ney Springs Company, Siskiyou County. Mineral water.
 Oakland Paving Co., Alameda County. Stone for highway construction.
 O'Brien, J. M., San Francisco. Gold specimens.
 Pacific Coast Borax Co., Alameda County. Borax.
 Pacific-Portland Cement Co., Solano County. Cement.
 Poeth & Son, Trinity County. Gold specimens.
 Products Development Co., Amador County. Glass sand.
 Riverside County. Asbestos, gypsum, lime, marble, lead, tin and other minerals.
 Riverside Portland Cement Co., Riverside County. Crestmore and rare minerals.
 Robertson, Frank. Seal of California in stone.
 Rodgers, Mrs. Arthur, Santa Clara County. Marble.
 San Benito County. Magnesite.
 Victor Gold Mining Corporation, Shasta County. Gold specimens.
 Vulcan Rock Co., Solano County. Building stone for highway construction.
 Walker & Fippin, Siskiyou County. Galena ore.
 Washington E. S., Siskiyou County. Isinglass, monosite and tourmaline.
 Wyack Frank, Siskiyou County. Gold quartz.
 Yuba Construction Company, Yuba County. Gold dredger. Standard dredger bucket.

GROUP 154.

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS

Balakalala Copper Mining & Smelting Co., Shasta County. Photos of Coram Smelter.
 California State Mining Bureau, San Francisco. Model hydraulic mine. Photos of oil fields.
 Holt & Gregg Co., Shasta County. Photos of lime quarry and kilns.
 Imperial County. Photographs of mines.
 Kern County Oil Operators' Assn. Peg model of oil fields.
 Los Angeles County. Photographs of mines.

Mammoth Copper Mining Co., Shasta County. Photos of mine and Kennett smelter.
 Noble Electric Steel Corp., Shasta County. Photos of iron smelter.
 Northern California Power Co., Shasta County. Photos of transmission lines and power plant.
 Riverside County. Photos of mines.
 San Diego County. Photographs of mines.
 Santa Barbara County. Photos of mines.
 Santa Clara County. Photos of mines.
 Shasta County. Collective exhibit of mines as shown by photographs.
 Siskiyou County. Collective exhibit of mines as shown by photographs.
 Ventura County. Collective exhibit of mines as shown by photographs.

GROUP 155.

METALLURGY

Shasta County. Pig iron.

IDAHO

Avenue B, between 4th and 5th Streets.

GROUP 153.

MINERALS AND STONES, AND THEIR UTILIZATION

Alice Mine, Gilmore, Lemhi County. Lead, silver ore, and wall rock.
 Allie Mining Co., Gilmore, Lemhi County. Gold ore and wall rock.
 American Development & Reduction Co., Gibbonsville, Lemhi County. Gold ore and wall rock.
 Amyela Mine, Blackbird, Lemhi County. Nickel cobalt and wall rock.
 Anello Mine, Lakeview, Bonner County. Silver, lead ore and wall rock.
 Arcada Mine, Theo. Brown, Buller, Shoshone County. Antimony ore and wall rock.
 Arcada Mine, Pine Creek, Shoshone County. Antimony ore and wall rock.
 Bay City Mine, Midas, Bonner County. Copper, gold, silver, lead and wall rock.
 Bellevue King, Mineral Hill, Blaine County. Lead, silver ore and wall rock.
 Belliel Mine, Blackbird, Lemhi County. Nickel and wall rock.
 Belmont Mine, Wallace, Shoshone County. Lead, silver and wall rock.
 Benton Mining Co., Wallace, Shoshone County. Lead, silver, copper, antimony ores and wall rock.
 B. F. & H. Mine, Blacktail, Bonner County. Silver, copper ore and wall rock.
 B. F. & H. Mine, Sagla, Bonner County. Gray copper and wall rock.
 Black Bear Cons. Mining Co., Wallace, Shoshone County. Lead, zinc ore and wall rock.
 Black Jack Mine, Mineral Hill, Blain County. Lead, silver, gold and wall rock.
 Blue Jacket Mine, Crook Corral, Idaho County. Copper ore and wall rock.
 Blue Jacket Mine, Landore, Adams County. Copper ore and wall rock.
 Bobby Anderson Mining Co., Bealer, Shoshone Co. Silver, lead, copper ore and wall rock.

- Boise Stone Co., Boise, Ada County. Sand stone.
- Boulder Creek Mining Co., Warm Springs, Blain Co. Lead, silver ore and wall rock.
- Boulder Creek Corp. Mining Co., Warm Springs, Blain County. Gold, silver, copper and wall rock.
- Bridgeport Mine, Harpster, Idaho County. Gold, silver, copper and wall rock.
- Brown Bear Mine, Horseshoe Creek, Fremont County. Coal.
- Brown Bull Mine, Gilmore, Lemhi County. Lead, silver, copper, gold ore and wall rock.
- Brown Mine, Landore, Adams County. Copper and wall rock.
- Buckhorn Mine, Bonners Ferry, Bonner County. Gold ore and wall rock.
- Bullion Mining Co., Storans Peak, Shoshone County. Copper ore and wall rock.
- Bullion Mining Co., Wallace, Shoshone County. Copper ore and wall rock.
- Bunker Hill & Sullivan Mng. & Conc. Co., Kellogg, Shoshone Co. Lead, silver and wall rock.
- Castle Creek Saltine Mine, Murphy, Owyhee County. Tripoli.
- Cedar Creek Mining & Dev. Co., Wallace, Shoshone Co. Lead, silver ore and wall rock.
- Center Star Mine, Elk City, Idaho County. Gold and wall rock.
- Clearwater Gold & Copper Mining Co., Shoshone Co. Copper, gold ore and wall rock.
- Clipper Bullion Mine, Mineral Hill, Lemhi County. Gold ore and wall rock.
- Coeur d'Alene Mine, Golden, Idaho County. Gold ore and wall rock.
- Columbia Mine, Yellow Jacket, Lemhi Co. Silver, lead ore and wall rock.
- Combination Mine, Yellow Pine, Idaho Co. Zinc, lead and wall rock.
- Comet Mine, Golden, Idaho County. Gold ore and wall rock.
- Continental Milling & Power Co., Pine Creek, Lemhi County. Gold ore and wall rock.
- Copper Camp Mine, Edwardsburg, Idaho Co. Copper ore and wall rock.
- Copper Queen Mine, Blackbird, Lemhi County. Copper, gold ore and wall rock.
- Crossus Gold & Copper Co., Wood River, Blaine County. Lead, silver ore and wall rock.
- Democrat Mine, Gilmore, Lemhi County. Lead, silver ore and wall rock.
- Eagle's Nest Mine, Lucile, Idaho County. Gold ore and wall rock.
- Empire Copper Co., Mackay, Ouster County. Copper, gold and wall rock.
- Empress Mining Co., Wallace, Shoshone County. Lead, silver ore and wall rock.
- Falls Creek Mining Co., Sand Point, Bonner County. Silver, lead, gold, copper and wall rock.
- Federal Mining & Smelting Co., Wallace. Lead, silver, zinc ores.
- Fort Hall Mining Co., Pocatello, Bannock County. Copper and wall rock.
- Fort Stephens Mine, Resort, Idaho County. Zinc ore and wall rock.
- Franklin Mine, Golden, Idaho County. Gold ore and wall rock.
- Gardena Mine, Horseshoe Bend, Boise County. Silver, lead, copper ore and wall rock.
- Gem State Mine, Pocatello, Bannock County. Copper, gold and wall rock.
- Giant Ledge Mining Co., Murray, Shoshone County. Gold, silver, lead ore and wall rock.
- Gilmore Mining Co., Gilmore, Lemhi County. Gold ore and wall rock.
- Gilt Edge Mine, Golden, Idaho County. Gold ore and wall rock.
- Golden Chest Mining Co., Summit, Shoshone County. Tungsten and wall rock.
- Golden Glow Mining Co., Warm Springs, Blaine County. Lead, silver ore and wall rock.
- Gold Flint Mining Co., Leesburg, Lemhi County. Gold ore and wall rock.
- Gold Hill Mine, Quartsburg, Boise County. Gold ore and wall rock.
- Gold Hunter Mining & Smelting Co., Mullan, Shoshone County. Lead, silver, zinc ore and wall rock.
- Gold Ridge Mining Co., Golden, Idaho County. Gold ore and wall rock.
- Gray Eagle Mine, Blackbird, Lemhi County. Copper, nickel, cobalt and wall rock.
- Green Hill Cleveland Mining Co., Wallace, Shoshone County. Lead, silver, zinc and wall rock.
- Grunder Mine, Mineral Hill, Lemhi County. Gold ore and wall rock.
- Haldemand Mine, Ten Mile, Idaho County. Gold ore and wall rock.
- Hawkeye Mine, Blackbird, Lemhi County. Nickel, cobalt and wall rock.
- Hay Fork Mine, Moore's Creek, Boise County. Gold ore and wall rock.
- H. E. & M. Mining Co., Wallace, Shoshone County. Lead, silver ore and wall rock.
- Hecia Mining Co., Wallace, Shoshone County. Lead, silver and wall rock.
- Hercules Mining Co., Burke, Shoshone County. Lead, silver and wall rock.
- Highland Mine, Georgetown, Bear Lake Co. Phosphate rock.
- Hillside Mine, Mineral Hill, Blaine County. Lead, silver ore and wall rock.
- Homestake Mine, Warm Springs, Blaine Co. Lead, silver, zinc ore and wall rock.
- Horseshoe Mine, Horseshoe Bend, Boise Co. Coal.
- Hypothek Mine, Kingston, Shoshone County. Lead, silver and wall rock.
- Idaho Continental Co., Port Hill, Bonner County. Lead, silver and wall rock.
- Idaho Mine, Yellow Pine, Idaho County. Antimony ore and wall rock.
- Idaho Montana Amalgamated Co., Bonner County. Lead, silver ore and wall rock.
- Idaho Nevada Exploration Co., Wallace, Shoshone County. Copper ore and wall rock.
- Idaho Northern Mineral Co., Murray, Shoshone County. Lead, silver, copper and wall rock.
- Idaho Tungsten Co., Patterson Creek, Lemhi County. Tungsten and wall rock.
- Independence Mine, Big Creek, Lemhi County. Gold ore and wall rock.
- Independence Mine, Golden, Idaho County. Gold ore and wall rock.

Independence Mine, Grimes Creek, Boise County. Gold ore and wall rock.
 International Portland Cement Co. Mine, Lakeview. Limestone, shale, cement prod.
 Jumbo Mine, Gilmore, Lemhi County. Lead, silver ore and wall rock.
 Junction Mines Co., Ladore, Lemhi County. Lead, silver ore and wall rock.
 Kansas City Mine, Yankee Fork, Custer County. Gold, silver, copper and wall rock.
 Kentucky Mine, Mineral Hill, Lemhi County. Gold ore and wall rock.
 Keystone Mines Corporation, Blacktail. Silver, copper, lead ores and wall rock.
 Latest Out Mine, Blackbird, Lemhi County. Nickel, cobalt ore and wall rock.
 Latest Out Mine, Gilmore, Lemhi County. Lead, silver ore and wall rock.
 Lawrence Mining & Milling Co., Clarksfork, Bonner County. Lead, silver and wall rock.
 Leopard Mine, Copper Basin, Custer County. Copper, gold ore and wall rock.
 Lightfoot, John, Rosetta, Blaine County. Molybdenite and wall rock.

ILLINOIS

2nd St., Between Aves. C and D.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Albion Brick Co., Albion. Brick.
 Albion Shale Brick Co., Albion.
 Alsey Brick & Tile Co., Alsey. Brick.
 Alton Brick Co., Alton. Brick.
 Central Refining Co., Lawrenceville. Oils.
 Chicago Portland Cement Co., Chicago.
 Danville Brick Co., Danville. Brick.
 Fairview Fluorspar & Lead Co., Golconda.
 German American Portland Cement Co., La Salle.
 Goodman Mining Machinery Co., Chicago.
 Indian Refining Co., Lawrenceville. Oils.
 Ittner Brick Co., Bellville.
 Illinois State. General Mineral Collection.
 La Salle Brick Co., La Salle.
 Mattheissen & Hegeler Co., La Salle.
 Mineral Point Zinc Co., Galena. Zinc.
 National Fireproofing Co., Chicago.
 Ottawa Silica Co., Ottawa.
 Richards Brick Co., Edwardsville. Brick Pacing.
 Springfield Pacing Brick Co., Springfield.
 Tomms Silica Co., Chicago.
 Utica Hydraulic Cement Co., Utica. Cement.
 Western Brick Co., Danville. Brick.

INDIANA

Location: Av. B, bet. 6th & 7th Sts.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Bedford Stone Co., Bedford brick.
 Brazil Block Coal Co., Brazil. Coal.
 Clay Products Company of Brazil. "Den-leon" tile.

Coal Bluff Mining Co., Coal Bluff. Coal.
 Hydraulic Pressed Brick Co., Brazil. Brick for wall.
 Martinsville Brick Co., Martinsville. Brick for mantel.
 McRoy Clay Works, The, Brazil. Tile.
 Quarrymen's Association of Bloomington and Bedford. Stone for wall.
 Root Glass Works, Green Castle. Glazed tile.
 United Encaustic Tile Works, Indianapolis. Tile.
 Little Gem Mine, Ramey Ridge, Idaho County. Gold ore and wall rock.
 Livingston Mine, Clayton, Custer County. Lead, silver ore and wall rock.
 Lost Packer Mining Co., Loon Creek, Custer County. Copper, gold ore and wall rock.
 Marsh Mining Co., Wallace, Shoshone County. Lead, silver and wall rock.
 Mayflower Mine, Moore's Creek, Boise County. Gold and wall rock.
 McKinley Gold Mining Co., Lucie, Idaho County. Gold ore and wall rock.
 Minnie Moore Mine, Mineral Hill, Blaine County. Lead, silver ore and wall rock.
 Montana Mine, Yankee Fork, Custer County. Gold, silver and wall rock.
 Mountain Queen Mine, Ladore, Adams County. Copper, gold and wall rock.
 Moyea Gold Copper Mining & Milling Co., Bonners Ferry. Gold ore and wall rock.
 Mulkey, Gus, Big Eight Mile, Lemhi County. Molybdenite ore and wall rock.
 Nabob Mine, Kellogg, Shoshone County. Silver, lead ore and wall rock.
 Nabob Mining Co., Wallace, Shoshone County. Lead, silver and wall rock.
 National Copper Mines Co., Cuprum, Adams County. Copper, gold and wall rock.
 New Hope Mining Co., Wallace, Shoshone County. Lead, silver and wall rock.
 New Jersey Mine, Kellogg, Shoshone County. Gold ore and wall rock.
 One Mine, Pearl, Boise County. Gold, lead, zinc ore and wall rock.
 Panama Pacific Mine, Ladore, Adams County. Copper, gold ore and wall rock.
 Paragon Con. Mining Co., Paragon, Shoshone County. Zinc, lead ore and wall rock.
 Paymaster Mine, Wallace, Shoshone County. Gold, lead, copper and wall rock.
 Pick & Shovel Mine, Lakeview, Bonner County. Gold ore and wall rock.
 Pond D'Oreole Mining & Reduction Co., Lakeview, Bonner County. Silver, gold, lead and wall rock.
 Probigo Mines Co., Yellow Pine, Idaho County. Gold, silver ore and wall rock.
 Providence Mine, Allen Creek, Lemhi County. Gold ore and wall rock.
 Queen of the Hills, Mineral Hill, Blaine County. Lead, silver, zinc and wall rock.
 Rainbow Mine, Pearl, Boise County. Lead, silver, gold and wall rock.
 Rattler Mine, Salmon City, Lemhi County. Copper, silver ore and wall rock.
 Ray Jefferson Mining Co., Wallace, Shoshone County. Lead, silver, zinc and wall rock.
 Red Bird Mine, Clayton, Custer County. Lead, silver ore and wall rock.

Red Ledge Mine, Landore, Adams County. Copper, gold ore and wall rock.

Red Prince, Pocatello, Bannock County. Copper ore and wall rock.

Sand Lime Brick Co., Boise, Ada County. Brick.

Shamrock Mine, Pearl, Boise County. Gold, silver, lead ore and wall rock.

Sidney Mining Co., Pine Creek, Shoshone County. Lead, silver and wall rock.

Silver Bell Mine, Clayton, Custer County. Gray copper and wall rock.

Silver City Mining & Milling Co., Silver City, Owyhee County. Gold, silver and wall rock.

Silver Crown Mine, Golden, Idaho County. Gold ore and wall rock.

Silver King Mine, Johnson Creek, Elmore County. Silver ore and wall rock.

Silver Plate Mine, Sagle, Bonner County. Silver lead ore and wall rock.

Silver Shield Mine, Vanwyck, Boise County. Silver, gold ore and wall rock.

Silver Wing Mine, Yankee Fork, Custer County. Lead, silver ore and wall rock.

Snow Storm Mine, Larson, Shoshone County. Copper ore and wall rock.

Standard Mine, Warren, Idaho County. Gold ore.

Steward Mining Co., Kellogg, Shoshone County. Lead, silver and wall rock.

Success Mining Co., Wallace, Shoshone County. Zinc, lead and wall rock.

Sunbeam Mine, Yankee Fork, Custer County. Gold ore and wall rock.

Sunnyakie Mine, Johnson Creek, Elmore County. Silver ore and wall rock.

Syringa Mine, Oragrande, Idaho County. Gold, silver, copper and wall rock.

Tamarack & Custer Mining Co., Wallace, Shoshone County. Lead, silver and wall rock.

Uncle Sam Mine, Blackbird, Lemhi County. Copper, nickel, cobalt and wall rock.

Vergo Mine, Wallace, Shoshone County. Lead, silver and wall rock.

Vigus Mine, Yankee Fork, Custer County. Gold and wall rock.

Vulcan Mining Co., Lakeview, Bonner County. Silver, lead, zinc ore and wall rock.

White Ledge Mine, Landore, Adams County. Copper ore and wall rock.

Wilbert Mining Co., Arco, Fremont County. Lead, silver ore and wall rock.

Willer Mine, Custer County. Lead, silver and wall rock.

Wisconsin Mining Co., Kellogg, Shoshone County. Copper ore and wall rock.

Yankee Boy, Kellogg, Shoshone County. Gray copper and wall rock.

Yellow Jacket Mine, Yellow Jacket, Lemhi County. Gold ore and wall rock.

GROUP 153

LITERATURE OF MINING AND METALLURGY

Cons. Interstate Callahan Mining Co., Mine Mills, Shoshone County. Flow sheets of mill.

Greens Gold & Copper Co., Wood River, Blaine County. Flow sheets of mill.

Hecla Mining Co., Burke, Shoshone County. Flow sheets of mill.

Hercules Mining Co., Burke, Shoshone County. Flow sheets of mill.

Gold Hill & Iowa Mines, Quartsburg, Boise County. Flow sheets of mill.

Gold Hunter Mining Co., Mullan, Shoshone County. Flow sheets of mill.

Green Hill Cleveland Mine, Mace, Shoshone County. Flow sheets of mill.

Paragon Con. Mining Co., Paragon, Shoshone County. Flow sheets of mill.

Queen of the Hills, Wood River, Blaine County. Flow sheets of mill.

Stewart Mining Co., Kellogg, Shoshone County. Flow sheets of mill.

Success Mining Co., Success, Shoshone County. Flow sheets of mill.

Tamarack & Custer Mine, Sunset, Shoshone County. Flow sheets of mill.

Wilbert Mining Co., Dome District, Fremont County. Flow sheets of mill.

LOUISIANA

Palace of Agriculture

Ave. B & C, bet. 8th & 10th Sts.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Jahncke, E. L., New Orleans. Sand, gravel and shells.

Myles Salt Co., New Orleans. Rock salt.

Salmen Brick & Lumber Co., New Orleans. Bricks.

Southern Mineral & Land Improvement Co., Winnfield. Limestone.

MISSOURI

Avenue A and Seventh Street.

GROUP 152

WORKING OF MINES, ORE BEDS AND STONE QUARRIES

Missouri Geological Survey, Rolla. Drill hole sections.

Oronogo Circle Min. Co., Oronogo. Drill hole sections.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

American Tripoli Co., Seneca. Raw Tripoli, ground and turned.

American E. L. & Co., Prosperity. Zinc blende Galena.

Atlas Cement Co., Hannibal. Cement and products.

Blackmer-Post Co., St. Louis. Sewer and ornamental tile.

Bokert Springs Mineral Water Co., Desoto. Mineral water.

Bowling Green Mineral Water Co., Bowling Green. Mineral water.

Carthage Stone Quarries, Carthage. Limestone and Marble.

Central Coal & Coke Co., Kansas City. Bituminous coal.

Chapman & Longacre Min. Co., Webb. Zinc Blende Concentrates.

- Chicago Mines Co., Joplin. Zinc Blende, Galena, and Marcasite.
- Clary, Joe, Joplin. Zinc Blende.
- Coahuilla Min. Co., Webb City. Zinc Blende, Galena.
- Continental Zinc Co., Joplin. Zinc Blende, and Dolomite.
- Crystal Lithium Water Co., Excelsior Springs. Mineral water.
- Deerfield Tile Co., Deerfield. Building Tile.
- De Priest, Jesse, Joplin. Galena Crystals.
- Delta L. & Z. Co., Joplin. Calamine, Galena and Zinc Blende.
- Des Loges Lead Co., Des Loges. Galena.
- Douglas, Thos., Joplin. Galena and Zinc Blende.
- Enterprise Sand Co., Herculaneum. Glass Sand.
- Evans & Howard, St. Louis. Sewer tile.
- Federal Lead Co., Flat River. Galena.
- Flynn & Co., Joplin. Galena.
- Frickleton, Marcum & Onstott, Joplin. Zinc blende and galena.
- Fulton Fire Brick Co., Fulton. Fire clay and brick.
- Galena-Joplin Min. Co., Joplin. Galena.
- Gopher Min. Co., Duenweg. Calcite.
- Granby M. & S. Co., Joplin. Calamine, Smithsonite, Zinc Blende, Calcite.
- Grinker, August, St. Louis. Fire clay.
- Hercules Powder Co., Webb City. Zinc blende and galena.
- Hydraulic Press Brick Co., St. Louis. Brick.
- Independent Gravel Co., Webb City. Cement brick, tile and blocks.
- Jackson Lithia Water Co., Kansas City. Mineral water.
- Laclede Cristie Fire Brick Co., St. Louis. Fire clay and brick.
- Last Chance Min. Co., Joplin. Zinc blende concentrates.
- Mercantile M. & S. Co., Webb City. Galena.
- Missouri Land Co., Kansas City. Iron ores.
- Mont B. M. Co., Webb City. Zinc blende, galena and quartz.
- Mound City Roofing Tile Co., St. Louis. Building and roofing tile.
- Mutchealer, Geo., Springfield. Zinc blende and calcite.
- Napoleon Min. Co., Joplin. Zinc blende.
- Newton, John, Joplin. Zinc blende and calcite.
- 1904 Min. Co., Neck City. Zinc blende concentrates.
- Oronogo Circle Min. Co., Oronogo. Zinc blende, galena, calcite.
- Orr, Chas. T., Webb City. Zinc blende and galena.
- Otis Min. Co., Joplin. Zinc blende.
- Pacific Cement Gravel Co., Pacific. Sand and gravel.
- Pacific Glass Sand Co., Pacific. Glass sand.
- Parker Russell Min. & Mfg. Co., St. Louis. Fire clay and brick.
- Pickle, Julius, Morrellton. Iron ores.
- Pittsburg-Midway Coal Co., Minden Mines. Bituminous coal.
- Point Mining and Mfg. Co., St. Louis. Ground barytes.
- Poplar Bluff Brick Co., Poplar Bluff. Fire clay and brick.
- Potter, John A., Joplin. Calamine.
- Racine Tripoli Co., Racine. Raw Tripoli ground and turned.
- Ruhl & Shanklin, Joplin. Zinc blende, calamine, galena and calcite. Iron ores.
- Schneider Granite Co., St. Louis. Granite blocks.
- Seagraves & Co., Webb City. Zinc blende.
- Sligo Furnace Co., St. Louis. Iron ores.
- Spring City L. & E. Co., Spring City. Calamine.
- Stewart-Peck Sand Co., Kansas City. Core sand.
- St. Joe Lead Co., Bonne Terre. Galena.
- Underroof Min. Co., Joplin. Calcite.
- Wallower, F. C., Joplin. Galena.
- Waneta Pearl Min. Co., Joplin. Zinc blende.
- Washington L. & M. Co., Mineral Point. Barytes ore.
- Wilson Mines Co., Webb City. Zinc blende and galena.

GROUP 154

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS

- Head, Lee S., Joplin. Mine maps, cross sections.
- Missouri Geological Survey, Rolla. Maps and sections.
- Oronogo Circle Min. Co., Oronogo. Model mine.
- Ruhl & Shanklin, Joplin. Mine maps, cross sections.
- State of Missouri, Jefferson City. Model zinc plant.

GROUP 155

METALLURGY

- American Z. L. & S. Co., St. Louis. Spelter slabs.
- Edgar Zinc Co., St. Louis. Spelter slabs.
- Evans Howard Fire Brick Co., St. Louis. Fire brick and furnace linings.
- Granby M. & S. Co., St. Louis. Spelter and pig lead.
- Grasselli Chem. Co., Clarksburg, W. Va. Spelter slabs.
- La Oiede Cristie Fire Brick Co., St. Louis. Fire brick, furnace linings.
- Matthiessen & Hegeler Zinc Co., LaSalle, Ill. Spelter, sheets, pig and plates.
- Mase Co., W. H., Peru, Ill. Zinc nails and glazier points.
- Missouri Geological Survey, Rolla. Copper, cobalt oxide, nickel.
- National Carbon Co., Cleveland, O. Zinc batteries.
- Parker Russell Fire Brick Co., St. Louis. Fire brick and furnace linings.
- Picher Lead Co., Joplin. Pig lead and lead pigments.
- Ruhl & Shanklin, Joplin. Zinc cornices.
- Sligo Furnace Co., St. Louis. Pig iron and various mfgs.

GROUP 156
LITERATURE OF MINING AND
METALLURGY

Missouri Geological Survey, Rolla. Reports and statistical books.
Buhl & Shanklin, Joplin. Books.

NEVADA

Location: Av. B, bet. 2nd & 3rd Sts.

GROUP 153

MINERALS AND STONES, AND THEIR
UTILIZATION

- State of Nevada Geological Exhibit. Including minerals, ores, etc.
Amalgamated Pioche Mines & Smelters Corp., Pioche. Gold, silver, lead, copper, zinc ores.
American Onyx Co., Manhattan. Two mill pebbles.
Adler, A., Mina. Gold ore.
Alameda Mining Company, Mina. Copper ores.
Amador Mining Company, Austin. Silver ores.
American Smelter & Refining Co., Salt Lake City, Utah. Iron ore.
Anchor Mine, Las Vegas. Zinc ore.
Aurora Consolidated Mining Co., Aurora. Gold ore.
Austin Manhattan Mining Company, Austin. Lead-silver ores, silver.
Buckhorn Mines Co., Buckhorn. Ores and country rock.
Bamberger Delmar Mining Company, Delmar. Gold ore.
Blue Light Mining Co., Mina. Copper ore.
Bray, Joe, Austin. Antimony ore Lead-silver ore.
Bray & Knowles, Battle Mountain. Copper ore.
Bristol Mining Company, Bristol. Copper ores.
Brown, H. M., Mina. Copper ores.
Brunswick Iron Mine, Carson City. Iron ore.
Byran Mine, Battle Mountain. Gold ore.
Codd, A. A., Reno. Country rock and ores, from Rochester District.
Consolidated Nevada Utah Corp., Pioche. Gold, silver, lead ores.
Carrara Marble Co., Carrara. Marble.
Chedie, W. H., Carson City. Graphite.
Carr, Clyde, Mina. Precious stones.
Coaldale Coal Company, Coaldale. Coal, sub-bituminous.
C. & C. Mining Co., Virginia City. Silver ore.
Cattenhorna Brothers, Battle Mountain. Silver ore.
Chisholm Mine, Ely. Lead-silver ore.
Connis, H. A., Ely. Manganese ore.
Cook, W. L., Reno. Copper ore.
Cook & Lloyd, Luning. Lead, silver ore.
Crew Canyon Mining Company, Elko. Gold ore.
Crown Mines, Golconda. Gold ore.
Curdew, Harry, Silver City. Gold ore.
Delmar & Sproule, Goodsprings, Las Vegas. Gypsum.
Day Mine, Ely. Lead-silver ore.
Del Monte Mines, Goodsprings, Las Vegas. Copper ore.
Dexter Union Mining Co., Manhattan. Gold ore.
Dixon & Stebbins, Round Mountain. Gold ore.
Donald, D. A., Silver Peak. Arsenic.
Douglas-Wardell, Tonopah. Mercury ore.
Dyer, E. A., Yerington. Copper ores.
E. J. Mining Company, Bristol. Lead-silver ore.
Eckman, William, Battle Mountain. Lead-silver ore.
Ehlers, Paul, Luning. Gold ore.
Elko Prince Mining Company, Midas. Gold ore.
Ella Mine, Pioche. Lead-silver ore.
Everett, F. Minna. Copper ore.
Esmeralda County, Commissioners of, Goldfield. Mica, sulphur ores, molybdenum and tungsten ores.
Falkner, E. & F. D., Mina. Lead and vanadium ores.
Flinn & Roeder, Pioche. Lead-silver ore.
Finney, E. H., Las Vegas. Gypsum.
Florence-Goldfield Mining Co., Goldfield. Rough and polished ores.
Goldbanks Quicksilver Co., Winnemucca. Country rocks and ores.
Goldfield Cons. Mines Co., Goldfield. Country rocks and gold ores.
Gould, Dr. H. G., Lovelock. Gypsum.
George, E. T., Battle Mountain. Lead-silver and silver ores.
Giroux Consolidated Mining Co., Ely. Copper ore.
Glasgow Western Exploration Co., Battle Mountain. Copper ore.
Gold Mountain Mining Company, Tonopah. Gold ore.
Good Enough Mine, Pioche. Copper ore.
Goldbanks Quicksilver Mining Co., Winnemucca. Mercury ore.
Gold Eagle Mine, Ely. Silver ore.
Goldfield Alamo Mining Company, Hawthorne. Lead-silver ore.
Goldfield Consolidated Mining Co., Goldfield. Gold ore.
Goldfield Florence Mining Co., Goldfield. Gold ore.
Goldfield Plymouth Mining Co., Goldfield. Gold ore.
Goodspeed, William, Ely. Silver-lead ore.
Goodwin & Johnson, Pioche. Lead-silver ore.
Grube, F. G., Luning. Silver ore.
Hill & Worsick, Lovelock. Wonderstone.
Heeney, John T., Reno. Opals in the rough.
Hard Scrabble Mine, Rube Brown, Midas. Gold ore.
Hannan, John, Reno. Lead-silver ore.
Haughton, James, Mina. Lead-silver ore.
Hilt & Adams, Mina. Lead-silver ore.
Hillside Mining Company, Bristol. Lead-silver ore.
Holmes Mining Co., Camdemm. Silver ore.
Horton Brothers, Battle Mountain. Lead-silver ore.
Hulse, E. W., Ely. Antimony ore.
Jumbo Extension Mining Co., Goldfield. Gold-copper ores.

- Kennedy, Geo. L., Tonopah. Miniature set of mining tools.
- Kiernan, J. H., Pioche. Copper ore.
- Kimberly Consolidated Mining Co., Hill Top. Gold ore.
- Kramer Hill Mining Co., Golconda. Gold ore.
- Lawrence, I. N., Las Vegas. Tungsten ore.
- Lemaire Brothers, Battle Mountain. Silver ore.
- Little Boluppus Mine (A. H. Scott), Luning. Silver ore.
- Luchens, Fred, Austin. Silver ore.
- Lucky Star Mine, Luning. Lead-silver ore.
- Luning Aviator Mining Co., Luning. Copper ore.
- Lyon & Heggland, Luning. Copper ore.
- Mason Valley Mines Co., Thompson. Country rocks and ores, copper.
- Mercury Mines Co., Ione. Country rocks and ores.
- Montana-Tonopah Mines Co., Tonopah. Ores.
- Manhattan Consolidated Mining Co., Manhattan. Gold ore.
- Manhattan Mining Company, Ely. Copper ore.
- Manhattan White Cap Mining Co., Manhattan. Arsenic, antimony ores.
- Marcel, D. P., Ruth. Copper ore.
- Maricopa Mining Co., Austin. Silver ore.
- Masey, F. M., Midas. Gold ore.
- McCluskey, H. G., Goldfield. Lead-silver ore.
- McDonald, D. C., Ely. Copper ore, lead.
- McDonald, J. E., Las Vegas. Zinc ore.
- McLaughlin, J. A., Tonopah. Zinc ore.
- Meagher, W., Battle Mountain. Lead-silver ore.
- Mercury Mining Company, Ione. Mercury ore.
- Montana Tonopah Mining Company, Tonopah. Silver ore.
- Monte Cristo Mine, Goodsprings, Las Vegas. Zinc ore.
- Mount Diablo Mine, Candelina. Silver ore.
- Nevada Bunker Hill Mining Co., Elko. Country rocks and ores. Copper, silver, lead.
- Nevada Cinnabar Co., Ione. Country rocks and ores.
- Nevada Consolidated Copper Co., McGill. Copper ores.
- Nevada Douglas Copper Co., Ludwig. Country rocks and copper ores.
- Nevada Hills Mining Co., Fairview. Country rocks and ores.
- Nevada New Mines Co., Rawhide. Gold and silver ores. Country rock.
- Nevada Wonder Mining Co., Wonder. Country rocks and ores.
- Ninnis, F. C., Tonopah. Silver ore.
- Nevada Douglas, Yerington. Gypsum, copper ores and native copper.
- Nevada Sulphur Company, Sulphur. Sulphur.
- National Mines Co., National. Silver ore.
- Nevada Central Mining Co., Ely. Lead-silver.
- Nevada Cinnabar Mining Co., Ione. Mercury ore.
- Nevada Consolidated Mining Co., Ely. Copper ore.
- Nevada Minnesota Mining Co., Yerington. Copper ore.
- Nevada New Mines Co., Rawhide. Gold ore.
- New Era Mining Co., Pioche. Gold ore.
- Newlyons & Heggland, Pioche. Silver ore.
- Noble, R. T., Midas. Gold ore.
- Plymire, Dr. F. A., Mina. Polished marble.
- Portland Cement Company. Mound House. Gypsum.
- Potosi Mine, Goodsprings, Las Vegas. Zinc ore.
- Prairie Flower Mine, Goodsprings, Las Vegas. Zinc ore.
- Paisley, J. A., Midas. Gold ore.
- Panic & Liding, Ely. Lead-silver ore.
- Patuch Mine, Mina. Silver ore.
- Pepper & Keough, Mina. Mercury ore.
- Playter, Jos. H., Golconda. Gold ore.
- Pohl, Fred, Austin. Bar of silver, silver ore.
- Poujade, J., Carson City. Lead-silver ore.
- Ophir Mining Co., Virginia City. Silver ore.
- Orr, William, Lovelock. Native silver and silver ore.
- Queen Sheba Mine, Mills City. Lead-silver ore, silver ore.
- Quigley, F. D., Luning. Copper ore.
- Round Mountain Mining Co., Round Mountain. Gold ores, country rocks, ores and nuggets. Av. B, bet. 2nd & 3rd Sts. Maps, geological sections, photographs relative to geology, mineralogy, quarrying, mining metallurgy, and the manipulation of mineral products.
- Red Top Mining Co., Hill Top. Lead-silver ore.
- Rex Reduction Co., Midas. Gold ore.
- Reich, C., Luning. Copper ore.
- Romanche, P. V., Orisabe. Silver-lead ore.
- Roop, Deb., Reno. Opals.
- Round Mountain Tungsten Mining Co., Round Mountain. Tungsten ore.
- "Rover Group," Goodsprings, Las Vegas. Lead and zinc ores.
- Royal Mining Co., Luning. Gold ore.
- Ruby Silver Mining Co., Battle Mountain. Silver ore.
- Ruth Mine, Ruth. Lead-silver ore.
- Seven Troughs Coalition Mining Co., Seven Troughs. Ores.
- Stevenson, O. T., Reno. Polished variate.
- Seven Troughs Coalition Mining Co., Lovelock. Gold ore.
- Shafford & McCarthy, Austin. Lead-silver ore.
- Scherfield Mining Co., Golconda. Silver ore.
- Silverfield Mining Co., Golconda. Lead-silver ore.
- Simmons, P. H., Mina. Copper ore.
- Smith, E. E., San Francisco. Gold ore.
- Stewart Bros., McMillan, Luning. Copper ore.
- Stewart, W. J., Tonopah. Copper ore.
- Stewart, Robert, Sodaville. Gold ore.
- Tonopah Belmont Development Co., Tonopah. Oxidized and sulphide ores.
- Tonopah Extension Mining Co., Tonopah. Ores.
- Tonopah Mining Co., of Nevada, Tonopah. Oxidized and sulphide ores.
- Taylor, James T., Pioche. Lead-silver ore.
- Tilford, John, Ely. Tungsten.
- Tolare Mining Co., Austin. Lead-silver ore.
- Tonopah Extension Mining Co., Tonopah. Silver ore.

Tonopah Merger Mining Co., Tonopah. Silver.
 Tonopah Midway Mining Co., Tonopah. Silver ore.
 Tonopah North Star Mining Co., Tonopah. Silver ore.
 University of Nevada, Reno. Country rock and ores, gold and silver.
 University of Nevada, Reno. Diatomaceous earth, tripoli, mica, salt, ores, tungsten, antimony, lead, silver, copper and gold.
 U. S. Smelting & Refining Co., Salt Lake, Utah. Copper ore.
 Virgin River Salt Co., Las Vegas. Salt.
 Vanderhoff, E. E., Ely. Lead ore.
 Virginia Iron Mine, Virginia City. Iron ore.
 Virtue Mine Co., Ely. Lead-silver ore.
 Watson & Bachman, Luning. Copper ore.
 Williams & Clifford, Austin. Lead-silver ore.
 Walti, E. D., Eureka. Zinc and copper ore.
 Wedekind & Selever, Mina. Copper ore.
 Welch & Selever, Mina. Copper ore.
 White Cap Mining Co., National. Silver ore.
 Workman, Jesse, National. Lead-silver ore.
 West End Consolidated Mining Co., Tonopah. Country rocks and ores.
 White Pine County Commissioners, Ely. Copper ores.
 Wingfield, George, Reno. Polished specimens of gold ore, copper ore.
 Yellow Pine Mine, Goodsprings. Zinc ore.
 Yount & Payle, Goodsprings. Platinum ore.

GROUP 154

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS

Amalgamated Pioche Mines & Smelters Corp., Pioche. Photograph.
 Balliet, Letson, Tonopah. Drawing and photograph.
 Buckeye Belmont Mines Co., Tonopah. Photographs and panorama.
 Buckhorn Mines Co., Buckhorn. Photographs and model.
 Codd, A. A., Reno. Panorama and photograph.
 Denver Rock Drill & Machinery Co., S. F., Cal. Waugh stoper model, 12 A.
 Desert Power & Mill Co., Millers. Panorama of mill.
 Florence-Goldfield Mining Co., Goldfield. Map of workings.
 Goldbanks Quicksilver Co., Winnemucca. Map and photographs.
 Julian, E. A., Reno. Mill cow.
 Mason Valley Mines Co., Thompson. Panorama of mine and smelter.
 Mercury Mines Co., Ione. Photograph of property.
 Montana-Tonopah Mines Co., Tonopah. Photographs, map and model.
 Moran, William J., Tonopah. Claim map.
 National Mines Co., Winnemucca. Photograph of mine.
 Nevada Bunker Hill Mining Co., Elko. Photographs and maps.
 Nevada Cinnabar Co., Ione. Photographs of property.
 Nevada Consolidated Copper Co., McGill. Panorama and photographs.

Nevada Douglas Copper Mining Co., Ludwig. Panorama of property.
 Nevada Hills Mining Co., Fairview. Photographs and model.
 Nevada Wonder Mining Co., Wonder. Photographs of property.
 O'Leary, Frank, National. Claim map.
 Reid, W. F., Goldfield. Model of blacksmith shop, tools.
 Round Mountain Mining Co., Round Mountain. Photographs.
 Seven Troughs Coalition Mining Co., Seven Troughs. Panorama.
 Tonopah Belmont Development Co., Tonopah. Photographs and model.
 Tonopah Extension Mining Co., Tonopah. Photographs.
 University of Nevada, Reno. Models, panoramas and maps.
 Goldfield Consolidated Mines Co., Goldfield. Photographs.

GROUP 155
METALLURGY

State of Nevada. Metallurgical products.
 Belmont Milling, Tonopah. Products of mill.
 Buckhorn Mines Co., Buckhorn. Products of mill.
 Churchill Milling Co., Wonder. Screen analysis of mill products.
 Desert Power & Mill Co., Millers. Product of mill.
 Goldbanks Quicksilver Co., Winnemucca. Products of furnace.
 Mason Valley Mines Co., Thompson. Products of copper smelter.
 Mercury Mines Co., Ione. Products of furnace.
 Nevada Cinnabar Co., McGill. Products of furnace.
 Nevada Cons. Copper Co., McGill. Metallurgical products, copper.
 Nevada Hills Mining Co., Fairview. Products of mill.
 Nevada Milling Co., Tonopah. Products of mill.
 Seven Troughs Coalition Co., Seven Troughs. Products of mill.

GROUP 156
LITERATURE OF MINING AND METALLURGY

State of Nevada. Literature and statistics of mining and metallurgy.
 Belmont Milling Co., Tonopah. Flow and elevation sheets.
 Churchill Milling Co., Wonder. Flow sheet.
 Desert Power & Mill Co., Millers. Flow sheet.
 Goldfield Consolidated Mines Co., Goldfield. Flow sheet.
 Montana Tonopah Mines Co., Tonopah. Flow sheet.
 Nevada Hills Mining Co., Fairview. Elevation and flow sheet.
 Nevada Milling Co., Tonopah. Flow sheet, section Carpenter agitator.
 Round Mountain Mining Co., Round Mountain. Flow sheet.
 Seven Troughs Coalition Mining Co., Seven Troughs. Flow sheet.

Tenopah Extension Mining Co., Tenopah. Flow sheet.
University of Nevada, Reno. Production charts and maps.

NEW YORK

Avenue C bet. 4th and 5th Streets

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Barton & Son, H. H. Co.—Philadelphia, Pa. Garnet matrix and paper.
Benson Mines Co.—Benson Mines. Iron Ore.
Borst, C. A.—Clinton. Hematite Iron Ore.
Carpenter, J. Milton, Wellsville. Oil Sand from Allegheny County.
Corborundum Co.—Niagara Falls. Corborundum, granite, silicon.
Chateaugay Ore and Iron Co.—Lyon Mountain. Iron Ore and county rocks.
Cheever Iron Ore Co.—Port Henry. Magnetite Ore.
Clinton Metallic Paint Co.—Clinton. Mineral pigment.
Concrete Form Co., Inc., Syracuse. Model of Whalen Concrete Form.
Connors Paint Co., Wm.—Troy. Mineral pigment.
Crown Point Spar Co.—Crown Point. Feldspar, pegmatite, mill products.
Dixon Crucible Co., Jos., Jersey City, N. J. Graphite ore from N. Y. Mfg. products.
Dotterweich, Rudolph. Olean. Crude oil samples.
Finch, Pruyn Co.—Glen Falls, New York. Marble.
Glens Falls, Portland Cement Co.—Glens Falls. Crude products.
International Acheson Graphite Co.—Niagara Falls, N. Y. Artificial graphite.
Johnson, E. J.—New York City. Slate roofs.
Kinkel's Sons, P. H.—Bedford. Feldspar, pink and white; rose quartz.
Love, Thomas.—Olean. Crude oil, Clarks-ville, pool.
MacIntyre Iron Co.—Tahawus. Titaniferous Magnetite.
Mathews Slate Roof Co.—Poultney, Vermont. Slate roof.
New York State Museum.—Albany. Mineral resources, origin and deposits.
New York Lime Co.—Natural Bridge, N. Y. Limestone.
New York State Reservation at Saratoga Springs. Model of High Rock Cone, Mineral water, photographs and fossil cryptozoons.
Niagara Gypsum Co.—Oakfield. Gypsum, rock, calcined, plaster.
North River Garnet Co.—North River. Garnet matrix; mill products.
Northern Ore Co.—Edwards. Zinc Ore.
Onondaga Coarse Salt Association.—Syracuse. Salt by solar evaporation.
Ontario Talc Co.—Gouverneur, N. Y. Talc, fibrous and ground.
Paragon Plaster Co.—Artificial granite; feldspar.

Port Henry Iron Ore Co.—Mineville. Iron Ore.
Retsof Salt Co.—Retsof, N. Y. Salt—rock, lump and ground.
Shaner, A. L.—Bolivar. Crude oil, Wough and Porter pools.
Sharon Springs Sulphur Water Co., New York City. Exhibit of mineral water.
Solvay Process Co.—Syracuse. Soda compounds from limestone and coke.
St. Lawrence Pyrites Co.—Herman. Crude pyrite and products.
Sterling Iron & Railway Co., Lakeville. Specimens of magnetite.
Sterling Salt Co.—Cuylerville. Rock and refined salt.
U. S. Gypsum Co.—Oakfield. Gypsum, tile, plaster board.
Uniform Fibrous Talc Co.—Talcville. Talc, fibrous and ground.
Vacuum Oil Co.—Olean and Rochester. Petroleum—crude and products.
Wells Co., James M.—Ogdensburg. Mineral pigment.
Wellsville Refining Co.—Wellsville. Crude oil and products.
Witherbee, Sherman & Co.—Mineville. Magnetite.
Worcester Salt Co.—Silver Springs. Salt; mfg. and products.

GROUP 154

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS

American Gypsum Co.—Akron. Photo: underground gasoline motor.
Benson Mines Co.—Benson Mines. Photos of quarry and mill.
Borst, C. A.—Clinton. Photo of Hematite mine plant.
Glens Falls Portland Cement Co.—Glens Falls. Quarry photo.
Heldberg Cement Co., Albany. Large group of framed photographs, showing use of cement.
International Acheson Graphite Co.—Niagara Falls. Model electric furnace.
Myers-Whaley Co.—Knoxville, Tenn. Picture: shoveling machine.
New York Lime Co.—Natural Bridge. Photos of quarries and plant.
New York State Museum.—Albany. Mine, metallurgical models, maps, photos.
Northern Ore Co.—Edwards. Photos of plant.
Retsof Salt Co.—Retsof. Photo: surface plant, workings.
Solvay Process Co.—Syracuse. Relief charts and photos.
Sterling Salt Co.—Cuylerville. Rock salt occurrence, mining, etc.
St. Lawrence Pyrites Co.—Herman. Picture: mines, mills.
United States Gypsum Co.—Oakfield. Photo of plant.
Worcester Salt Co.—Silver Springs. Model: making of salt.
Witherbee-Sherman Co.—Mineville. Iron Ore—"Old Bed;" panoramas.
Wellsville Refining Co.—Wellsville. Model oil derrick.

GROUP 155
METALLURGY

Association of American Portland Cement Manufacturers.—Model cement road.
Barton & Son Co., H. H.—North River. Sorting by hand abrasive garnet.
Carborundum Co.—Niagara Falls. Electro-silicon ware.
Chatsangay Ore and Iron Co.—Lyon Mountain. Iron Ore products.
Dixon Crucible Co., Jos.—Jersey City, N. Y. Graphite crucibles.
Dixon Crucible Co., Jos.—Ticonderoga. Graphite products.
International Acheson Graphite Co.—Niagara Falls. Refractory graphite crucibles.
MacIntyre Iron Co.—Tahawus. Products, etc., Port Henry furnace.
Northern Iron Co.—Port Henry. Process: Mineville pig iron.
Northern Iron Co.—Standish. Process: pig iron Lyon Mountain.
North River Garnet Co.—North River. Abrasive garnet.
Witherbee-Sherman Co.—Mineville. Model "Old Bed" ore deposit. Panoramas.

GROUP 156
LITERATURE OF MINING AND
METALLURGY

New York State Museum.—Albany. Statistics; mineral resources.

OREGON

Location: Av. A & 6th St.

GROUP 157
MINERALS AND STONES, AND THEIR
UTILIZATION

OREGON BUREAU OF MINES AND
GEOLOGY

Baker Mines Co., Cornucopia. Low and high grade gold ore collection. Concentrates.
Columbia Gold Mines Co., Sumpter. Gold ore collection; concentrator.
Commercial Mining Co., Rye Valley. Gold quartz showing free gold.
Northwestern Granite Co., Baker. Polished marbles.
Oregon, State of, Salem. Gold, silver, coal, gypsum, gems and other minerals.
Powder River Gold Dredging Co., Sumpter. Gold dust, placer pebbles, tailings.
Reed, Taber, Baker. Gold boulder, rare specimens.
Wallowa Black Marble Co., Joseph. Black marbles.

GROUP 154
MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS
Oregon Bureau Mines and Geology, Corvallis. Relief map of State.

UNITED STATES GOVERNMENT
DEPARTMENT OF INTERIOR

INSULAR POSSESSIONS

Alaska

Esquimaux and Products of Their Industries.
Maps and Models.

Philippine Islands

Location: Av. of Nations, nr. Massachusetts Building.

GROUP 153

MINERALS AND STONES, AND THEIR
UTILIZATION

Bureau of Science, Manila. Collection of Philippine minerals. Specimens of brick made of Philippine clays, sands and limes.

POSTOFFICE DEPT.

United States Post Office Department.—A Model Post Office will be maintained in the Mines Palace. Here all the workings of the service will be shown and the post facilities of the Exposition provided. Mail addressed in care of the Exposition will be delivered through the Model Post Office or held there subject to order. Carriers will deliver and collect mail throughout the Exposition Grounds. Mail boxes will be placed at convenient points; special delivery, registry, parcel post, money order and postal savings service will be provided. There will be shown an exhibit of United States postage stamps of every issue since the adoption by the United States of this means of collecting postage. All workings of the Model Post Office will be carried on in full view of visitors. Motion pictures of all phases of mail handling operations will be shown in the motion picture room of the Mines Palace. A standard steel Railway Post Office car will be shown in operation in the Transportation Building.

FOREIGN GOVERNMENTS

ARGENTINA

Avenue D, bet. 5th and 6th Sts.

GROUP 152

WORKING OF MINES, ORE BEDS AND STONE QUARRIES

Compañia Argentina de Perforaciones, Buenos Aires. Methods of boring.

Compañia Especial de Perforaciones, Buenos Aires. Oil field methods, Comodoro Rivadavia.

General Direction of Exploitation of Comodoro Rivadavia's Petroleum Department of Agriculture. Petroleum methods and equipment.

General Direction of Mines, Geology and Hydrology of Department of Agriculture. Mining, survey and boring methods.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Andrade, Carlos M., Buenos Aires. Mica in sheets from the Cordoba Sierra.

Aust, Alfonso, Buenos Aires. Limestone from Olavarría.

Barta, Leopoldo, C. E., Comodoro Rivadavia. Distilling and refining petroleum products.

Brach, Eduardo, Buenos Aires. Mica in sheets from San Luis Sierra.

Cerrano y Cia, Buenos Aires. Lime factory. Lime.

Challion y Cia, Buenos Aires. Onyx from San Rafael, State of Mendoza.

Compañia Productos Conen, Sociedad Anonima, Buenos Aires. Boracic acid; ulexite prod.

Compañia Salinas Grandes, Buenos Aires. Salt from Salinas Grandes.

Coral y Aramburu, Buenos Aires. Gypsum, crude and refined from Rio Negro.

Darmstaedter, Luis, Buenos Aires. Ore from San Juan mine, Sierra of Famatina.

Defillippi, Luis, Buenos Aires. Lime.

General Direction of Exploitation of Comodoro Rivadavia's Petroleum-Department of Agriculture. Petroleum.

General Direction of Mines, Geology and Hydrology of Department of Agriculture. Collection of minerals.

Graciarena, Bernardo, Buenos Aires. Salt and graphic material.

Lacian & Cia, Buenos Aires. Granites and mylonites from Cerro Negro, Olavarría.

Mesquita, Salvador, Buenos Aires. Casterite and minerals of tin mines, Catamarca State.

Quiroga, German, San Luis. Marbles from Sierra of San Luis.

Reala, Domingo G., Buenos Aires. Marbles from Cordoba and San Luis Sierras.

Sociedad Anonima "Minas de Guandacol," Obilisco. Minerals.

State of San Luis. Onyx marble.

Sterki, Alejandro, Santa Elena. Gypsum, crude and labored.

Termas "Rosario de la Frontera," Sociedad Anonima, Salta. Mineral waters.

Territory of Los Andes. Gold, silver, copper, borates and other minerals.

Zambrano, Ing. Pedro, Buenos Aires. Gold ore.

GROUP 154

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS

Aust, Alfonso, Buenos Aires. Photos.

Defillippi, Luis, Buenos Aires. Photos.

General Direction of Mines, Geology and Hydrology of Department of Agriculture. Photos of surveys and mineral operations.

Schweitzer, Pablo, Buenos Aires. Maps.

GROUP 156

LITERATURE OF MINING AND METALLURGY

General Direction of Mines, Geology and Hydrology of Department of Agriculture. Statistics and publications.

AUSTRALIA

Location: Australian Pavilion.

Presidio Entrance, Opposite French Pavilion.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Adalong—New South Wales. Auriferous quartz.

Abermain Colliery Co., Ltd.—New South Wales. Section of coal seam worked.

Back Creek—Near Rockley, New South Wales. Black oxide of manganese.

Ballina—New South Wales. Platinum.

Bambrick, H.—Sapphire town, Queensland. Cut sapphires.

Bambrick, V.—Sapphire town, Queensland. Sapphires, cut and rough.

Barrier Mine, The—Wyalong, New South Wales. Auriferous pyritous quartz.

Battery Mount—New South Wales. Lode tin ore.

Black & White Tin Mine—Ardlethan, New South Wales. Tin ore in greisen.

Block 14 Mine—Torrington, New South Wales. Wolfram-bearing quartz-topaz rock.

Bow Creek Molybdenite Mines—Deepwater, N. S. Wales. Molybdenite ores.

British Broken Hill Proprietary Co.—N. S. Wales. Sulphide ore, lead & zinc concs.

Broadbent, R.—Broken Hill, N. S. Wales. Silver, lead, zinc minerals, collection.

Broken Hill Proprietary Co. Block 10—N. S. Wales. Sulphide ore.

- Broken Hill Proprietary Block 14**—N. S. Wales. Sulphide ore.
- Broken Hill Proprietary Co., Ltd.**—N. S. W. Silver-lead-zinc ores, concs., spelter, etc.
- Broken Hill South Silver Mg. Co.**—N. S. W. Sulphide ore, lead & zinc concentrates.
- Broxburn Coal & Shale Co.**—Greta, N. S. W. Section of coal seam worked.
- Burford, E.**—Sapphire town, Queensland. Cut sapphires.
- Burrage Copper Mine**—Burrage, N. S. Wales. Copper ores.
- Butler's Tin Mining Co.**—Torrington, N. S. W. Lode tin ore, tin oxide, slimes & fines.
- C. S. A. Mine**—Cobar, N. S. W. Copper ores, carbonate and sulphide ores.
- Cadia Copper Mining Co.**—Cadia, N. S. W. Copper ores.
- Carrpathia Tin Mining Co.**—Ardlethan, N. S. W. Lode tin ore.
- Christmas Gift Extended Gold Mg. Co.**—Cullinga, N. S. W. Sulphide ore.
- Chesney Copper Mine**—Cobar, N. S. W. Copper ores.
- Chick, C. W.**—Sapphire town, Queensland. Cut sapphires.
- Cobar Gold Mines, Ltd.**—Cobar, N. S. W. Pyritous ore & altered slate.
- Cobar Copper, Ltd.**—Wrightville, N. S. W. Copper ores.
- Colon Peaks Mining Co.**—Yerranderie, N. S. W. Native silver & oxidized, etc., ores.
- Cope's Creek Central Tin Dredging Co.**—Skeleton Creek, N. S. W. Stanniferous dirt.
- Commonwealth Oil Corp. Co., Ltd., The**—Sidney, N. S. W. Kerosene shale.
- Commonwealth Portland Cement Co., The**—Portland, N. S. W. Cement, limestone, etc.
- Corner Block**—Bygoon, Ardlethan, N. S. W. Tin ore in granite.
- Corrimal-Balgownie Colliery Co.**—N. S. W. Section of coal seam worked.
- Cousen, I. G.**—Sapphire town, Queensland. Sapphires, cut & rough.
- Craboon (H. Dawson)**—N. S. W. Siliceous sulphide ore. Copper ores.
- Cunningham Mine**—Near Harden, N. S. W. Auriferous quartz.
- Currajong Mine**—Wyalong, N. S. W. Auriferous quartz.
- Dayspring Mine**—Parkeas, N. S. W. Auriferous quartz with iron & arsenical pyrites.
- Department of Mines**—Melbourne, Victoria. Models of gold nuggets found in Victoria.
- Department of Mines**—Brisbane, Queensland. Antimonite, limestone, copper ores, coal, chromite, pottery & fire clay, coke, gold ores, graphite, iron ores, magnesite, manganese ore, molybdenite, wolfram, tin ores & tin ingots, silver-lead-zinc ores, bismuth ores.
- Department of Mines**—Melbourne, Victoria. Victorian marbles, polished & mounted.
- Department of Mines**—Sidney, New South Wales. Collection of ornamental & building stones; collection of minerals & economic ores.
- Department of Mines**—Sydney, N. S. W. Model of the Broken Hill lode.
- Esamora Mines, Ltd.**—Hillgrove, N. S. W. Antimonial gold ore & antimonite.
- Electrolytic Refining & Smelting Co. of Australia**—Port Kembla, N. S. W. Copper.
- Emonson, D.**—Rubyvale, Queensland. Cut sapphires.
- Euriowie**—Barrier Range, N. S. W. Lode tin ore.
- Fisfeld, Henry and Ward**—N. S. W. Magnesite.
- Frasers, Ltd.**—Brisbane, Queensland. Opals and assorted gem stones.
- Gibraltar Cons. Mines, The**—Sheppardstown, Adelong, N. S. W. Hornblende granite.
- Gladstone Mining Co.**—Cobar, N. S. W. Copper ores.
- Golden Fleece Mine**—Wyalong, N. S. W. Auriferous quartz.
- Golden Hill Lease (H. Dawson)**—Craboon, N. S. W. Pyritous quartz.
- Gordon Brook**—N. S. W. Chromite.
- Grafton Copper Mining Co.**—Cangai Mine, N. S. W. Copper ores.
- Great Britain Sluicing Co.**—Emmaville, N. S. W. Stanniferous wash dirt.
- Great Cobar Mine**—Cobar, N. S. W. Copper ores.
- Great Cobar North Mine**—N. S. W. Copper ores.
- Great Northern Amalgamated Molybdenite Mg. Co.**—Boorolong, N. S. W. Molybdenite.
- Gulgong (L. Hasenkam)**—N. S. W. Pyritous quartz.
- Gulgong (C. E. Hilton)**—Red Hill, N. S. W. Pyritous quartz.
- Gundie Tin Mine**—N. S. W. Lode tin ore.
- Hart's Tin Mining Co.**—Torrington, N. S. W. Lode tin ore.
- Hillgrove, T. Snow**—N. S. W. Dressed scheelite.
- Holland, A.**—Rubyvale, Queensland. Cut sapphires.
- Holland, T.**—Sapphire town, Queensland. Sapphires, cut & rough.
- Holland, W.**—Sapphire town, Queensland. Sapphires, cut & rough.
- Homeward Bound Tin Mining Syndicate**—Ardlethan, N. S. W. Lode & concentrated tin ore.
- Hoskins Brothers, Eakbank Ironworks**—Lithgow, N. S. W. Iron ores, limestone, etc.
- Iron Duke Mine**—Cadia, N. S. W. Hematite, limonite and magnesite.
- Junction North Broken Hill Mine**—N. S. W. Silver-lead-zinc ores.
- Junction Reefs, Sheehan's Mine**—N. S. W. Auriferous pyritous ore.
- Junction Reefs, Lyndhurst Ry. & Mines, Ltd.**—N. S. W. Auriferous pyritous ore.
- Lone Hand Mine**—Bygoon, Kamarah, N. S. W. Lode tin ore.
- Major's Creek**—N. S. W. Auriferous pyritous quartz.
- Marks, Percy**—Sydney, N. S. W. Opals, rare black & light harlequin, cut & rough; precious & semi-precious gems; gold.
- McIntyre, O., & Flynn, M.**—Rubyvale, Queensland. Cut sapphires.
- Metropolitan Coal Co.**—Helensburgh, N. S. W. Section of coal seam worked.
- Mets**—Hillgrove, N. S. W. Antimonite.
- Mitchell's Creek**—N. S. W. Auriferous pyritous quartz.
- Mole Tableland**—N. S. W. Tin ore.

CUBA

Off the Av. of Nations, Opposite French Pavilion.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

- Compania Minera Jatibonico—Caibariou. Samples of asphalt.
 Juragua Iron Co.—Santiago de Cuba. Mineral collection.
 Spanish American Iron Co.—Mayari. Mineral collection.

GUATEMALA

Location: Guatemala Pavilion.

Near Inside Inn, Back of Japanese Gardens.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

- Argueta, Jose M.—Chiantla. Silver, galena, carbonates & sulphides of zinc.
 Argueta, Julio—San Sebastian H. Silver, galena, carbonates & sulphides of zinc.
 Argueta, Pedro—Chiantla. Silver, galena, carbonates & sulphides of zinc.
 Argueta, Tomas—Chiantla. Silver, galena, carbonates & sulphides of zinc.
 Alvarado, Juvenino—Cuileo. Silver, galena, carbonates & sulphides of zinc.
 Bickford, Andres—Huehuetenango & San Sebastian. Silver, galena, carb. zinc, etc.
 Castillo, Aparicio, E.—San Sebastian H. Silver, galena, carb. & sulphides zinc.
 Castillo, Nicholas—Chiantla. Silver, galena, carbonates & sulphides of zinc.
 Chaigne, Luis—Conception H. Silver, galena, carb. lead & zinc blende, carb. zinc.
 Chason, Pablo—Chiantla. Silver, galena, carbonates & sulphides of zinc.
 Chiantla Mining & Smelting Co.—Chiantla. Silver, galena, carb. & sulphides zinc.
 Chavez, Luciano—San Sebastian H. Silver, galena, carb. & sulphides of zinc.
 Chellis, Arturo W.—San Ramundo. Zinc blende and galena.
 Chellis, Francisco—San Ramundo. Zinc blende and galena.
 Cortinas, Amadeo—San Sebastian H. Zinc blende and galena.
 Crow, Frank L.—Mataquesuintla. Copper sulphides.
 de Dios Ocana, Juan—San Juan Sacatepequez. Zinc blende and galena.
 de Galicia, Teresa E. v.—Chiantla. Silver, galena, carbonates & sulphides of zinc.
 Dubon, Eleno & Garcia, Louis—Cubulco. Silver, galena, carb. lead & zinc, etc.
 Guatemala, Republic of—Mineral specimens.
 Gutrie, Seton C. B. Chiantla. Silver, galena, carbonates & sulphides of zinc.
 Hernandez, Marcelo—Chiantla. Silver, galena, carbonates & sulphides of zinc.
 Hogsdon, Daniel B.—Chiantla & San Sebastian H. Silver, galena, carb. & sulphides zinc.

Horta & Co.—Conception H. Silver, galena, carbonates lead & zinc blende, carb. zinc.

Jordan, Carlos S.—Estrada Cabrera. Silver, galena, carb. lead & zinc blende, etc.

Mariscal, Ramon E.—San Sebastian. Silver, galena, carbonates & sulphides of zinc.

McLean & Co., Alejandro—Rio Hondo. Copper sulphides.

Mexico & Guatemala Mining West Co.—Chiantla. Silver, galena, carb. & sulph. zinc.

Molina, Efrain—San Miguel Acatan. Silver, galena, carbonates & sulphides of zinc.

Potts, Knight & Co., Sucrs.—Las Quebradas. Gold sands.

Recinos, M. Antonio—San Sebastian H. Silver, galena, carbonates & sulphides zinc.

Recinos, M. Candido—San Sebastian H. Silver, galena, carbonates & sulphides zinc.

Recinos e Hijos—Chiantla & San Sebastian. Silver, galena, carb. & sulphides zinc.

Recinos, Teodoro M.—Chiantla. Silver, galena, carbonates & sulphides of zinc.

Recinos Teodoro-Teresa E. v. de Galicia—Chiantla. Silver, galena, carb. zinc, etc.

Recinos, Virgilio C.—Chiantla. Silver, galena, carbonates & sulphides of zinc.

Schubach Shunner & Co.—San Sebastian H. Silver, galena, carb. & sulphides of zinc.

Santiago, Achian—San Sebastian. Silver, galena, carbonates & sulphides of zinc.

Sociedad Minera Hispano-Guatemalteca. Alberti, Recinos & Cia.—Silver, galena, etc.

Sociedad Calderon & Escobedo—San Miguel Acatan. Silver, galena, carb. & sulph. zinc.

Stikell, J. D.—San Sebastian. Silver, galena, carbonates & sulphides of zinc.

Telles, Nasario C.—Chiantla. Silver, galena, carbonates & sulphides of zinc.

Tiburcio Tomas—Chiantla. Silver, galena, carbonates & sulphides of zinc.

Ugalde, Mario & Minorini, Domingo—El Progreso. Zinc blende and galena.

West & Co., Jorge B.—Chiantla. Silver, galena, carbonates & sulphides of zinc.

Yurrite, Felipe—San Sebastian H. Silver, galena, carbonates & sulphides of zinc.

GROUP 154

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS

Ministerio Fomento—Geological, mineral and altimetric maps.

HONDURAS

Near Inside Inn, back of Japanese Gardens

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

- Abadie, Pedro, San Marcos de Colon, Choluteca. Gold and silver ore.
 Alcantara, Angel E., Danli, El Paraiso. Fossils, coal, silver ore.
 Andino, Alfonso y Benedicto, S. Buena Ventura. Silver ore.
 Armas, Comandancia de Iruña, Mosquitia. Gold ore.
 Clear, Edmundo H., Juticalpa. Olancho placer ores.
 Cerritos, Santos, Guinopa, El Paraiso. Gold ore.

- Calleja, Juan Miguel, S. Antonio de Oriente, Tegucigalpa. Limestone, gypsum, silver.
- Eusebio, Dr., Toledo y Co., Tegucigalpa, Tegucigalpa. Silver ore.
- "El Sitio" Co., Comayagua, Comayagua. Silver and gold ores.
- Fallas, Teófilo, Comayagua, Tegucigalpa. Gypsum.
- Fortin h, Daniel, Yuscaran, El Paraíso. Gold ore.
- Galvez, M. G., Danlí, El Paraíso. Gold ore.
- Guillen, Mariano, Trujillo, Colón. Gold ores.
- Galindo, Lupario, Tatumbla, Tegucigalpa. Gold and iron ores.
- Government of Honduras, Tegucigalpa, Tegucigalpa. Precious stones.
- Gutiérrez, Gen. Rafael Lopez, Tegucigalpa, Tegucigalpa. Gold, silver, copper ores.
- Guzman, Mateo, Tuscrua, Colón. Gold and other native metals.
- Hernandez Serapio Hernandez y, Lepaterique, Tegucigalpa. Gold and silver ores.
- Iriona, Gobernador de, La Mosquitia, Colón. Pumicestone.
- Irias, Matias, Tambumbia, Tegucigalpa. Iron ore.
- Mallorquin, Teófilo, Potrerillos, El Paraíso. Silver ore.
- Manager of "La Fama" Dulce Nombre, Olancho. Gold ore.
- Martinez, Felipe, Tatumbla, Tegucigalpa. Gold and silver ores.
- Matamoros, E., Tatumbla, Tegucigalpa. Iron ore.
- Milla, Antonio, La Campa, Gracias. Fossil jaw-bone.
- Ministerio de Fomento, Tegucigalpa, Tegucigalpa. Limestone, gold, silver, copper ores, jasper, jade.
- Miralda, Mrs. Inés de, La Ceiba, Atlántida. Collection of opals.
- Mendoza, Dr. Trinidad E., "La Trinidad" mine, Santa Lucia, Tegucigalpa. Silver ore.
- Montia, Enrique, "Victoria Mine," Tegucigalpa, Tegucigalpa. Silver ore.
- Montoya, Rafael, Sabana Grande, Tegucigalpa. Silver ores.
- Municipalidad Apacilagua, Choluteca. Silver ore.
- Municipalidad Belen, Ocotepeque. Silver ore.
- Municipalidad Cucuyagua, Copán. Silver ore.
- Municipalidad Erandique, Gracias. Silver ores, coal.
- Municipalidad El Paraíso, El Paraíso. Silver ore.
- Municipalidad Gracias, Gracias. Silver ore.
- Municipalidad Gualcinco, Gracias. Silver ore.
- Municipalidad Guinope, El Paraíso. Silver bismuth.
- Municipalidad Guaimaca, Tegucigalpa. Coal.
- Municipalidad Humuya, Comayagua. Rough opals, coal.
- Municipalidad La Esperanza, Intibucá. Fossil oak tree.
- Municipalidad La Labor, Ocotepeque. Nickel ore.
- Municipalidad La Unión, Olancho. Copper, copper ore, silver ore.
- Municipalidad Lepaterique, Tegucigalpa. Chalk, silver ore.
- Municipalidad Locomapa, Yoro. Silver ore.
- Municipalidad Magdalena, Intibucá. Coal, silver, ore.
- Municipalidad Mangulilo, Olancho. Silver ore.
- Municipalidad Mariata, Tegucigalpa. Silver ore.
- Municipalidad Moroceli, El Paraíso. Silver nickel.
- Municipalidad Namasigue, Choluteca. Limestone.
- Municipalidad Olancho, Yoro. Silver ore.
- Municipalidad Potrerillos, El Paraíso. Silver ore.
- Municipalidad San Andrés, Gracias. Silver ore.
- Municipalidad San Sebastian, Gracias. Silver ore.
- Municipalidad San Pedro, Copán. Silver ore.
- Municipalidad Sabana Grande, Tegucigalpa. Coal, gold and silver ore.
- Municipalidad S. Marcos de Colón, Choluteca. Silver ore.
- Municipalidad Sensenti, Ocotepeque. Coal.
- Municipalidad Texiguat, El Paraíso. Mineral waters.
- Municipalidad Victoria, Yoro. Coal.
- Municipalidad Yoro, Yoro. Silver ore.
- Municipalidad Yuscaran, El Paraíso. Gold and silver ores.
- Olmos, Tadeo, Danlí, El Paraíso. Gold and silver ores.
- Ortíz, Gen. Mariano, Choluteca, Choluteca. Gold and silver ores.
- Ortiz, Felipe Pavon y Macario, S. Antonio, de Flores, Choluteca. Gold and silver ores.
- Padilla, Ila Navas, Tuscrua, Colón. Gold and native metals.
- Patriótica, Junta, Comayagua, Tegucigalpa. Fossil wood.
- Perden, W. O., Trujillo, Colón. Gold bearing sands.
- Pena, Rafael Alvarado, Comayagua, Tegucigalpa. Building materials.
- Prats, Cristobal, Tegucigalpa, Tegucigalpa. Gypsum.
- Político, Gobernador, Roatán, Islas de la Bahía. Limestone, silver ore.
- Rivera, Trinidad, Yuscaran, El Paraíso. Gold ore.
- Sosa, Pascual, Comayagua, Tegucigalpa. Gypsum.
- Soto, Santos, Tegucigalpa, Tegucigalpa. Silver and lead ores.
- Streber, Gen. Ricardo, Agalteca, Tegucigalpa. Iron ore.
- Torres, Carlos, Yoro, Yoro. Coal.
- The New & Honduras Rosario Mining Company, San Juancito, Tegucigalpa. Silver-gold ore.
- Valentine, Louis S., Sabana Grande, Tegucigalpa. Gold and silver ores.

GROUP 154

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS

New York & Honduras Rosario Mining Co.
San Juancito, Tegucigalpa. photos.

ITALY

Location: Av. of Nations, nr. Fine Arts Pal.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Ministry of Agriculture, Industry & Commerce
Dept. of Mines, Rome. Marbles.

JAPAN

3rd and 4th Sts., Bet. Aves. B and C.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Chishitsu Chosasho (Imperial Geo. Survey),
Tokyo. Specimens of ore, lava.

GROUP 154

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS
METALLURGY

Chishitsu Chosasho (Imperial Geo. Survey),
Tokyo. Models of Mt. Asama and Samurajima Volcano. Maps.

Noshomusho Kosankyoku (Imperial Mineral Bureau). Models of mines, products, diagram.

Seitetsusho (Imperial Metallurgical Bureau).
Model of iron works, specimen of steel.

GROUP 155

METALLURGY

Seitetsusho (Imperial Metallurgical Bureau).
Specimens of steel.

NETHERLANDS

Location: Esplanade, nr. Fine Arts Palace.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Netherlands' East Indian Commission for the
P. P. I. E., Buitenzorg, Java. Tin ore as
found in Netherlands' East Indies; finished
product "Banka tin."

Van Beest, A. G., Rotterdam. Building materials.

GROUP 155

METALLURGY

Netherlands' East Indian Commission for the
P. P. I. E., Buitenzorg, Java. Map showing
mining industry of Netherlands' East
Indies, photos illustrating gold, oil and tin
industries.

GROUP 156

LITERATURE OF MINING AND
METALLURGY

Netherlands' East Indian Commission for the
P. P. I. E., Buitenzorg, Java. Publications
Nos. XV and XXIX, relative to minerals
and oils in East Indies.

NEW ZEALAND

Palace of Agriculture

Ave. C & D, bet. 6th & 8th Sts.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Arahura River, Westland. Nephrite boulder.
Blackwater Mines Ltd. Gold quartz showing
laminations.

Blue Creek Gold & Silver-lead Dev. Co., Wa-
gapeka. Silver-lead ore.

Champion Mine, Amiseed Valley, Dun Moun-
tain. Native copper.

Cinnabar Mines of New Zealand, Mackay-
town. Cinnabar.

Ceromandel. Quartz-biotite-diorite.

Dom. Cons. Dev. Co. Mine, Marlborough.
Gold-scheelite-bearing quartz.

Drury & Pukekaroro. Trachyte.

Ewing Phos. Co. Works, Clarendon, Otago.
Phosphate rock.

Golden Crescent Claim, Weatherstone, Otago.
Auriferous cement.

Griffin Range, Westland. Serpentine polished
column.

Hokitika Beach, Westland. Auriferous black
sand.

Kauri Gum Specimens.

Kumara, Westland. Porphyritic granite.

Mount Eden and Timaru. Basalt.

Mount Radiant Prospecting Co., Karamoa.
Chalcocopyrite.

Mt. Somers. Pink and white limestone.

New Big River Gold Min. Co. Ltd. Gold
quartz containing free gold.

New Plymouth Beach. Magnetic titaniferous
ironsand.

New Zealand Coal & Oil Co., Orepuki. Oil
shale.

N. E. Sulphur Co. Ltd., White Island. Sul-
phur.

Northern Coal Co. Ltd. Coal, semi-bituminous.
Oamaru. "T" and "K" limestone.

Parapara Iron Co., Washbourn Blk., Parapara.
Iron ore (limonite).

Reas Goldfields Mine, Westland. Auriferous
wash.

Rotokawa, Taupo. Native crystalline sulphur.

Sandy Bay, Nelson. Marble.

Silverstream Mines, Maratoto. Hessite (tellur-
ide of silver).

Simmons, L., Auckland. Green stone.

State Collier, Point Elizabeth. Bituminous
coal.

Sumner, Christchurch, New Plymouth and
Ruapaki. Andesite.

Talisman Cons. Ltd. Mine. Gold and silver
ore.

Taranaki Oil Wells, Ltd., Moturoa. Petroleum
products.

Taspiro Coal Mines, Ltd. Brown coal.

Tonga Bay & Ruatuna. Granite.

Waikato Gold Mining Co., Ltd. Gold and silver
quartz.

Waikato Grand Junction Gold Min. Co. Gold
and silver quartz.

Wairoa South District, P. E. Okeal. Man-
ganese ore.

Whangarei Heads. Fossil li-

GROUP 154

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS

Liverpool State Collier, Pt. Elms. Hydraulic brakes, working model.

Liverpool State Collier. Model of coal storage bins and screens.

Map Mineral Localities; Geological Map and Sketch Geo. Sections.

Taupiri Coal Mines, Ltd. Working model Ralph Downcast Shaft.

NORWAY

Location: Presidio Entrance, nr. French Pavilion

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Grong Mines, Norland. Model and samples of copper ore and carborundum.

Norwegian Nitrate Factories, Kristiania. Plant at Bjukan and Notodden. Nitrate of lime; nitrate of ammonia, nitric acid and graphic exposition of development and growth of industry.

GROUP 155

METALLURGY

Tinfos Iron Works, Notodden. Samples of electro-iron manufactured from Norwegian ore in electric furnaces.

Tyssefaldane Co., Kristiania; factory, Tysedal. Samples of ferro titanium, titanium ore, rhodesian chrome ore, quartz ferro chrome; ferro silicon.

SIAM

Av. of Nations, Near Canadian Pavilion.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Bisanulok, Province of—Galena, iron, magnetite, antimony ores.

Petchaburi, Province of—Saltpetre.

Puket, Province of—Samples of wolfram and tin ores.

Srisawat Mines, Ltd.—Galena, oxidized zinc, and lead ores, mineralized limestone.

SWEDEN

Location: Av. of Nations, opp. Canadian Pavilion.

GROUP 153

MINERALS AND STONES, AND THEIR UTILIZATION

Svenska Granitindustriaktiebolaget, Solvesborg and Stockholm, Sweden. Sculptured black granite fountain.

GROUP 154

MINE, METALLURGICAL AND OIL MODELS, MAPS, PHOTOGRAPHS

Grangesberg-Oxelösund Traffic Co., Ltd., The, Stockholm. Iron ore, maps, photos.

Grangesberg-Oxelösund Traffic Co., Ltd., The, Stockholm, Sweden. Samples of iron ore; maps and photographs.

Jernkontoret, The, Stockholm, Sweden. Glass model of Dannemora iron mine and Falu copper mine. Maps, statistical charts, and photographs.

Jernkontoret, The, Stockholm. Glass model Dannamora iron mine and Falu copper mine, maps, charts and photos.

GROUP 155

METALLURGY

A.-B. Bofors-Gullspång and A.-B. Bofors Nobelkrut, Bofors, Sweden. War appliances, guns, projectiles, powder, etc.

A.-B. Elektriska Ugnar, Stockholm, Sweden. Drawings of electric smelting furnace for steel smelting and general metallurgical purposes.

Domnarfvet Steel Works, The, Falun. High grade iron and steel products.

Fagersta Steel Works Co., Ltd., The, Fagersta. High grade iron and steel products.

Forsbacka Iron Works Co., Ltd., The, Forsbacka. High grade iron and steel products. Gullspång Electrochemical Co., Ltd., The, Gullspång, Sweden. High-grade (electrically produced) ferrosilicon, 25-95% Si.

Gullspång Electrochemical Co., Ltd., The, Gullspång. High grade Ferrosilicon.

Hofors Co., Ltd., The, Hofors. High grade iron and steel products.

Hoganas-Billeholms Co., Ltd., The, Hoganas, Sweden. Sponge iron, a preparation for the manufacture of the finest grades of steel.

Hoganas-Billeholms Co., Ltd., The, Hoganas. Sponge iron.

Jernkontoret, Stockholm, Sweden. Model of electric smelting furnace for iron and steel, one-tenth actual size.

Jernkontoret, Stockholm. Electric smelting furnace.

Kohlswa Iron Works Co., Ltd., The, Kohlswa. High grade iron and steel products.

Laxa Iron Works, Co., Ltd., The, Laxa. High grade iron and steel products.

Osterby Iron and Steel Works Co., Ltd., The, Dannemora, Sweden. High-grade iron and steel products.

Sandvik Steel Works, Co., Ltd., The, Sandviken. High grade iron and steel products.

Soderfors Iron & Steel Works, Falun. High grade iron and steel products.

Uddeholm Co., Ltd., The, Uddeholm. High grade iron and steel products.

Ugnar, A. B., Elektriska, Stockholm. Drawing of electric smelting furnace.

Wikmanshyttan Iron & Steel Works, The, Wikmanshyttan. High grade iron and steel.

Wirabo Co., Ltd., The, Wirabo. Furnace, high grade steel and bar chains.

1888



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Location: 4th St., bet. Aves. A & B, Mines Bldg.

GROUP 153

MINERALS AND STONES AND THEIR UTILIZATION

Bureau of Expositions, Montevideo. Collection of minerals, stones, sand and talc.

Estevarena, A., Montevideo. Copper ores.

Institute of Geology & Perforations, Montevideo. Marble and galena.

Museum of Natural History, Montevideo. General collection of ores and minerals.

Piria, Francisco, Montevideo. Porphyry and granite.

LOCATED IN THE PALACE OF LIBERAL ARTS

Corner Av. B & 7th St.

Acosta & Lara & Co., Montevideo. Bricks.

Artificial Stone Co., Ltd. Specimens and artistic models of artificial stone.

Brignoni Bros., Montevideo. Artificial granite.

Compania de Materiales de Construcion, Montevideo. Bricks and marble slabs.

Enrique & Lazaro & Anicelli, Montevideo. Marble slabs and artificial marble.

Gagliardi Bros., Montevideo. Roof tiles of armored cement.

Juan Batista Rava, Florida. Limestone and powdered lime.

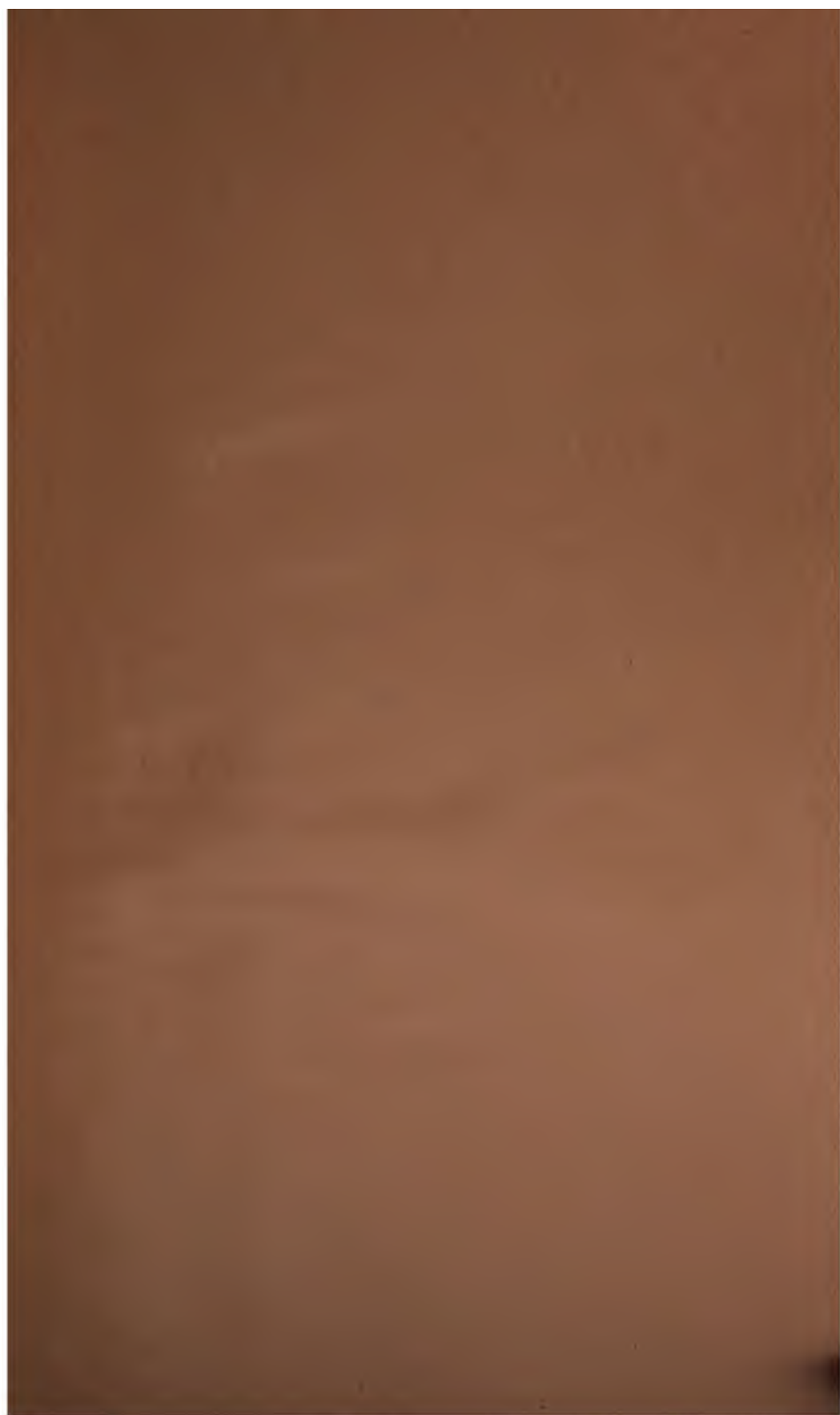
Manuel, Narancio, Colonia. Specimens of talc.

Marcos, L. Alzati, Florida. Limestone and powdered lime.

Metsen, Vicenti & Co., Montevideo. Portland cement.

Munoz, Maschwits & Co., Montevideo. Mosaics.

Ruju, Gedommaras & Nadetti, Montevideo. Roof tiles.



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